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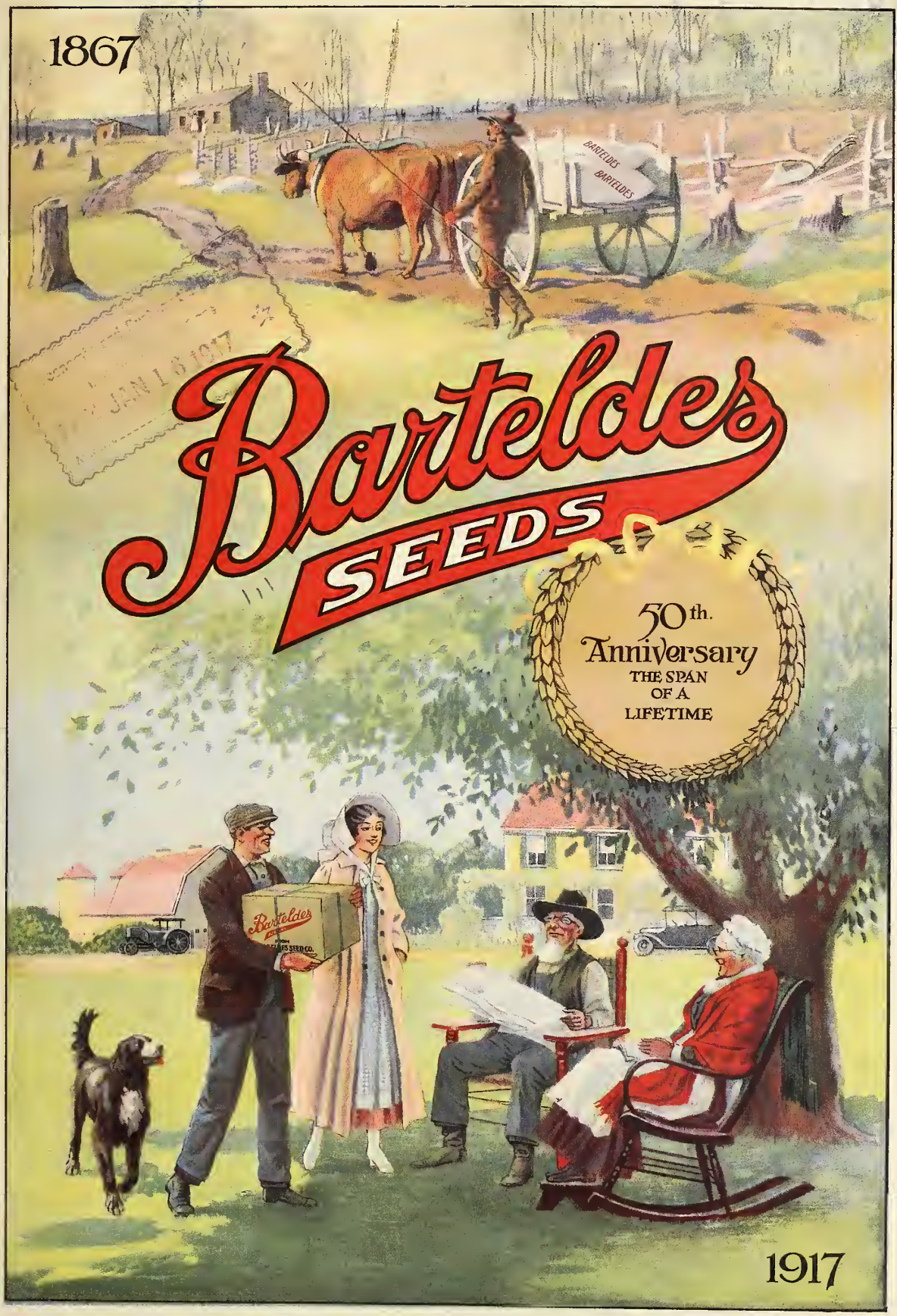


1867

1867

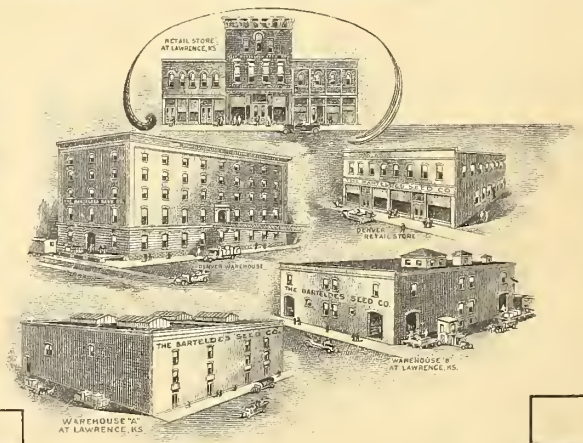
WHERE THE BARTELDES SEED CO. WAS FOUNDED FIFTY YEARS AGO

AGLANCE at these pictures will show what an enormous growth has been made by The Barteldes Seed Co. since Mr. F. Barteldes started his little store just a half century ago.

This growth, covering the Span of a Lifetime, has been steady, constant and substantial.

These pictures show our growth in buildings but they do not show that which we value much more highly and which has made the growth in our business possible—the enormous increase in the number of our friends and satisfied customers. Some of these customers have been with us for over forty years.

We wish to take this opportunity to thank those of you who, by your kind patronage, have helped to make our business the success that it is. To those of you who have never dealt with us we wish to say that you will be well pleased with the quality and the service responsible for the growth of this business.


RETAIL STORE AT LAWRENCE, KS.
DENVER RETAIL STORE
THE BARTELDES SEED CO.
WAREHOUSE "B" AT LAWRENCE, KS.
THE BARTELDES SEED CO.
WAREHOUSE "A" AT LAWRENCE, KS

1917

50TH ANNIVERSARY THE SPAN OF A LIFE TIME

Bartelde's SEEDS

1867 - TO - 1917

BARTELDES SEED CO.

OKLAHOMA SEED HOUSE

OKLAHOMA CITY, OKLA.

POSTAGE Garden Seeds priced by the packet, ounce, one-fourth pound and pound are postage paid. Peas, Beans, Onion Sets, Corn, Grass and Field Seeds and Sundry Articles are not postpaid. On small lots allow 5 cents per pound postage, and on larger quantities apply regular parcel post charges.

WRITE NAME and ADDRESS VERY PLAINLY. SEND MONEY WITH ALL ORDERS. NO C. O. D. SHIPMENTS

Send by (State Whether by Mail Express or Freight) _____

Name _____

Post Office _____ County _____

R. F. D. _____ (Box or Street and No.) _____ State _____

Shipping Station _____

Express Co. or Railroad _____

Date _____

AMOUNT ENCLOSED

P. O. Order, _____ $ _____

Draft, _____

Express Order, _____

Cash, _____

Stamps, _____

Total, _____ $ _____

THE BARTELDES SEED CO. GIVES NO WARRANTY, EXPRESSED OR IMPLIED, AS TO PURITY, DESCRIPTION, QUALITY, PRODUCTIVENESS OR ANY OTHER MATTER OF ANY SEEDS, BULBS OR PLANTS THEY SEND OUT, AND WILL NOT BE IN ANY WAY RESPONSIBLE FOR THE CROP. IF THE PURCHASER DOES NOT ACCEPT THE GOODS ON THESE TERMS THEY ARE AT ONCE TO BE RETURNED.

	Sundry Articles	Plants and Bulbs	Bushels	Pounds	Ounces	Packets	NAMES OF SEEDS and OTHER ARTICLES WANTED (Please Use One Line for Each Item)	PRICE	TOTAL
							AMOUNT CARRIED FORWARD		

Sundry Articles	Plants and Bulbs	Bushels	Pounds	Ounces	Packets	NAMES OF SEEDS and OTHER ARTICLES WANTED (Please Use One Line for Each Item)	PRICE	TOTAL
						BROUGHT FORWARD		

Date _____

Filled by _____

Checked by _____

Mail _____ Pkg _____ c

Express _____

R. R. _____

Pack _____ Sk _____ Bx

Wght. _____

IF ENTITLED TO ANY PREMIUMS, PLEASE LIST THEM HERE

50th Anniversary Catalog

OF

THE BARTELDES SEED CO.

OKLAHOMA CITY, OKLA.

HEADQUARTERS FOR

1867 Barteldes SEEDS 1917

It is with a great deal of satisfaction that we send you this **Fiftieth Anniversary Catalog.**

Barteldes Seeds were first sold to the pioneers of Kansas from the little store building shown at the top of the opposite page. The seeds were taken home by the farmers in their rough wagons and in many cases with ox teams.

As the west developed agriculturally the demand for high grade seeds increased and as the farmers of the west soon learned that they could depend upon **Barteldes Seeds** our trade grew so rapidly that it was soon necessary to establish a branch house in Denver, Colorado, and a few years later another at Oklahoma City, Oklahoma.

Today, just fifty years since Mr. Barteldes opened his little store in Lawrence, **Barteldes Seeds** are carried to all parts of the world by railroads, steam ships, and automobiles, and the business has grown to such proportions that it crowds the many large buildings shown at the bottom of the opposite page.

QUALITY and SERVICE have been our hobbies during the past half-century and are in a large measure responsible for our success. The **Quality** of **Barteldes' Seeds** will be kept up to the high standard and we know you will be satisfied with this quality. We fill all our orders promptly on receipt of same but if you are in a big hurry for your seeds just mark the order "Rush" and they will go out on the very next train.

You take no risk in buying from us. All orders are taken and all shipments made subject to your being satisfied with the seeds on arrival. When the seeds arrive you can examine them, test them, and if for any reason you are not satisfied, and will notify us within five days of receipt of same, we stand ready to take the seeds off of your hands and refund your money. It is well known, however, that seeds of the best quality often fail through various causes beyond human control, and we therefore, give no warranty, expressed or implied, as to description, quality, productiveness, or any other matter, of any seeds, bulbs or plants we send out, and we will not be in any way responsible for the crop. If the purchaser does not accept the goods on these terms they are at once to be returned.

ABOUT PRICES. In consideration of the high quality of our seeds our prices are very low. All prices are subject to market fluctuations, but as a rule the prices of garden seeds hold good during the season.

Prices of field seeds change constantly and we therefore issue our "Pink List," giving current prices of field seeds. We issue this frequently and are always glad to send it when asked to do so. A postal card will bring it to you.

In case the price is different from what you figure on in your order we will, unless you give us instructions, use our best judgment as to whether to send you more or less seeds, or perhaps write you in case the difference is considerable. You will in all cases get the full value of your money.

SEEDS BY MAIL. We will send postpaid all Garden and Flower Seeds at the prices given in the following list, with the exception of heavy seeds, as Beans, Peas, Corn, Clover, Grain and Grass Seeds. If you order these by mail, be sure to add 5 cents a pound to cover postage in small lots and on larger quantities apply regular parcel post charges.

SEEDS NOW GO BY PARCEL POST. Take advantage of this low rate of postage. The rates for the lower zones or up to a distance of 300 miles are very low and you can have your seeds delivered right to your door for less money than it would cost you to drive to town.

For Parcel Post information, see page 128 of this catalog.

HOW TO ORDER. Fill out the order sheet enclosed herewith, writing your name and address very plainly.

SEND CASH ALONG WITH ORDER.

Remittances may be made by Money Order, Draft, Stamps or Currency. We accept any amount of 2-cent stamps the same as cash. Be sure you register your letters if they contain cash. Money orders are the most economical and practical means of remitting.

ORDER EARLY! We will appreciate it if our customers will favor us with their kind orders as early as possible.

Send in your orders. You will be pleased with our service and well satisfied with our seeds.

BRANCHES. We have houses in Denver, Colo., and Lawrence, Kans., and if for reason of lower freight rates or prompter service a customer prefers to order from either of these places we assure him equally fair treatment.

FIVE FREE PREMIUMS—TAKE YOUR CHOICE

BROOM HOLDER

A good Broom Holder is a necessity in every home. This Broom Holder will not mar your broom handle, will hold it securely and keep it off the floor.

A broom kept in this Holder will remain straight, will sweep clean, and last much longer. You will always know where to find your broom and it will not be falling over on the floor.

"A NEW BROOM SWEEPS CLEAN"
This Broom Holder will keep your broom new.

TOWEL HOLDER

Good-bye to Unsightly Nails and Disfigured Walls

This Towel Holder is neat in appearance and holds the towel by either end or by the center. It holds the towel securely and yet cannot tear it.

Get this Towel Holder and do away with unsightly nails and hooks, torn towels, and towels on the floor.

We will send either the Broom Holder or the Towel Holder absolutely free and postpaid with an order of $2.00 worth of Garden or Flower Seeds or $5.00 worth of Field Seeds.

BARTELDES COOK BOOK

A splendid book of 130 pages brim full of excellent recipes selected by experts from the contributions of over 2,000 chefs. Gives a lot of valuable information about making all things good to eat. The recipes are up-to-date and the instructions are complete.

This book should be in every kitchen.

BARTELDES FARM GUIDE

An excellent book of 186 pages of useful information for the farmer, stockman, gardener, poultryman and fruit grower. The book deals with all phases of farm life and the information is reliable. We offered this book last year and received many favorable comments on it.

THESE BOOKS ARE ABSOLUTELY FREE

We will send you a copy of either of the above books, postpaid, absolutely free with an order of $3.00 worth of Garden and Flower Seeds, or $5.00 worth of Field Seeds.

OR

25c Worth of Seeds Extra

is allowed on each **one dollar** sent for seed in **packets and ounces.** This premium (allowed on all orders) can be selected only in **packets and ounces.** Select one dollar and twenty-five cents worth of seed in packets and ounces and remit us one dollar for this amount. This premium cannot be allowed on seeds by the Quarter-pound, Pound, or Quarter-bushel, nor on Bulbs or Plants, of which the prices quoted are **net.**

SUDAN GRASS

IT LAUGHS AT DROUGHTS AND REJOICES WHEN IT RAINS

SUDAN GRASS
Courtesy Kansas Agricultural College

SUDAN GRASS MADE HAY IN THE DROUGHT OF 1916

The drought of the past summer gave Sudan Grass a severe test and it came out with flying colors. It proved conclusively that Sudan Grass is by far the surest hay crop for the West and Middle West.

It does well when it gets plenty of moisture but it is when a drought strikes the country that it shows it's real worth. Growers everywhere are enthusiastic about it and especially about the crop of hay it made for them during the past summer when nearly everything else burned up.

Sudan Grass is an annual and like Millet must be planted each season. It grows very tall, reaching a height of seven and eight feet. The stems are very small, rarely thicker than a lead pencil, and the plants stools wonderfully, producing under favorable conditions as many as 100 stalks from a single seed.

Under favorable conditions it will make three cuttings and yield up to six tons of hay per acre.

Sudan hay is much relished by horses and cattle, and they will leave almost any kind of roughage for it, cleaning up heads, blades and stalks.

Sudan Grass is generally planted in rows about thirty-six inches apart using about four to six pounds per acre, and also broadcast, using from 10 to 20 pounds per acre. It is important that the seed should not be planted until the soil has become warm, as cold soil only delays germination and dwarfs the early growth. It can be planted any time during the summer as a catch crop, so long as seventy to eighty days intervene before the date of the first expected frost.

We received many favorable reports on Sudan Grass and give below extracts from a few of them. All of these refer to the crop raised in 1916 when conditions were extremely unfavorable.

Cloud County, Kansas.

My first sowing was April 19th. We had cold rains and it was too cold for some time, and it hardly came up. My second sowing was May 24th and I cut two good crops and then had fine fall pasture.

I think that Sudan is just the thing for hay, and also for pasture.

H. BOMBARDIER.

Grant County, Oklahoma.

Sudan Grass did extraordinarily well considering the bad season, namely: staying cold so long in the spring and then turning off unusually hot and dry.

It grew right along when other forage crops and even weeds dried out and died. Horses and cattle like Sudan as well as Alfalfa.

It is a God-send to this country.

JOE HAPP.

Montgomery County, Kansas.

I planted six acres on May 20th putting in 10 pounds to the acre. I got three cuttings, approximately three tons, of fine hay. Stock eat the hay well and do well on it.

J. W. SCOVEL

Russell County, Kansas.

I had Kaffir Corn, African Millet and Siberian Millet and nothing amounted to much except Sudan Grass. It made two fair crops where the others made only about half of one crop. We had hardly any rain.

JOHN A. MERMIS.

Yavapai County, Arizona.

Sudan Grass did better than any hay crop that I have planted in the five years I have been on this place. I got three cuttings of first-class hay

F. M. LANG.

Owing to the fine quality of the Sudan hay and also the scarcity of hay nearly all the Sudan Grass was cut for hay and but very little left for seed. The early frost caught much of the seed crop and therefore the supply of seed is very limited and the prices will be high. We advise you to buy your supply of this seed early.

SEE PINK LIST FOR PRICES

FETERITA
Courtesy Kansas State Agricultural College

FETERITA

The season of 1915 was a very wet one and in this season Feterita did not show up very well and consequently lost in favor. The drought of 1916 however, demonstrated once more that Feterita is the most drought-resisting grain crop that we have.

The two best features about Feterita are its wonderful ability to resist drought and its earliness. It has proved without any question its ability to stand dry weather, as it has made good yields during very dry seasons, and in some cases without any rain whatever. Some growers report that Feterita is fully thirty-five to fifty days earlier than Kaffir, and this also is a big advantage.

Feterita branches out from the stem and one plant makes several heads. Chinch bugs do attack it, but seem to prefer other crops. Even when the stalks are eaten off they stool out again and still make a crop.

The grain of Feterita is similar to that of Milo, but is pure white and larger and softer. Feterita is planted in rows like Kaffir or Milo, using from three to five pounds of seed per acre, and the crop is cultivated like Milo or Kaffir. Feterita should not be planted too early or too deep.

Reports show that it is a very good crop for dry regions and is an excellent catch crop in other places. It makes good ensilage and can be hogged down with very satisfactory results. Plant some Feterita and you will get a crop of grain in spite of dry weather.

Price postpaid, per packet 5c; per pound 15c. For quantity prices please see Pink List.

TEPARY BEANS

A Drought-Resisting Bean raised by the Indians in Arizona. Prof. Clothier of the University of Arizona says: "After three years of experimenting with the Tepary Bean I am prepared to say it is one of the most wonderful plants ever presented to the dry farming public."

Tepary Beans will make a fair crop in 75 days and a good crop if they have 90 days. If it is struck by a drought it will ripen the pods already set and when the drought breaks it will set and ripen a new crop.

Under ordinary dry farming conditions they yield from 450 to 700 lbs. per acre. The beans are white, cook well, have a delicious flavor.

They have been grown by Indians for thousands of years without irrigation with an annual rainfall of 9 inches.

Price 25c per pound. Not postpaid, 1 lb. 20c; 10 lbs. $1.50.

DANISH STONE HEAD

DANISH STONE HEAD OR ROUND HEAD

Produces fine round heads that are very solid and of an unusually dark purple color. This rich coloring extends to the center of the head and a cross-section shows but very little white.

The plants are of strong growth and the heads about eight inches in diameter and very uniform. This is the best keeper of any of the Red Cabbages..... Pkt. 10c; oz. 30c; ¼ lb. $1.00; lb. $3.00

GIANT CREGO ASTER

(See illustration on back cover)

This grand Aster is a highly developed American type of the German Comet, Hohenzollern and Mammoth Ostrich Plume Asters. The flowers are of magnificent size, the petals are twisted and curled giving the flowers the fluffy appearance of a Chrysanthemum. The flowers are borne on long stems and keep in fine condition when cut.

Giant Crego Aster, white.....Pkt. 10c
Giant Crego Aster, pink.....Pkt. 10c
Giant Crego Aster, lavender.....Pkt. 10c
Giant Crego Aster, mixed.....Pkt. 10c

LADY LENOX COSMOS

(See illustration on back cover)

This variety represents the highest development in Cosmos. The long-stemmed flowers are of immense size. The petals are broadly oval and overlap, forming a circular flower of perfect symmetry and fine lasting qualities. Unsurpassed both for garden decoration and cut flowers.

Lady Lenox, white.....Pkt. 10c
Lady Lenox, pink.....Pkt. 10c

HONEY DEW MELON

A new melon having a distinct, delicious flavor

The melon was produced by crossing the well-known Rocky Ford with an African melon. The result of this cross was then crossed with the Improved Hybrid Cassaba and this produced a melon which retained the sweetness of the Rocky Ford, the delicious flavor of the African melon and the smooth hard shell of the Cassaba.

The average size of the melon is six inches in diameter and seven to eight inches in length, weighs five to six pounds. The skin is smooth with an occasional net, and is a creamy yellow when ripe. The flesh is emerald green, very thick, melting, fine-grained, and can be eaten clear to the rind. The rind being hard, impervious to water and not easily bruised makes the Honey Dew an excellent shipper.

The qualities mentioned above would alone make this a fine new melon but the flavor of the Honey Dew puts it in a class by itself. The Honey Dew is as sweet as honey and has a delicious flavor all its own. This flavor seems to be a combination of many, among which are pineapple, banana and vanilla.

The Honey Dew melons will be in big demand next season and will command the very highest prices. During the past season the melons were sold at retail from 35 to 75 cents each.

Pkt. 10c; oz. 30c; ¼ lb. $1.00

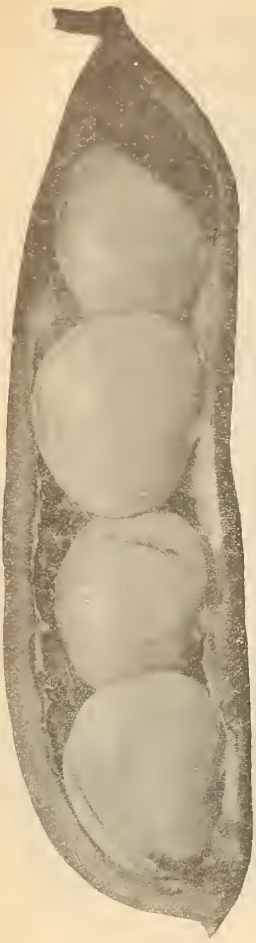
CALABASH PIPE GOURD

A rapid growing climbing annual from South Africa. The very popular Calabash Pipes are made from the fruit. When grown to make pipes it is best to let the vines run on the ground like cucumbers. These pipes are very light and color nicely.....Pkt. 10c

MAMMOTH CHINESE CABBAGE

This Cabbage measures 29 inches in diameter. This Cabbage does not form a head like our cabbage, but forms a loose head of very large juicy leaves. These leaves are eaten like greens and make excellent food when boiled with beef.

It requires, like all Chinese Cabbages, a rich, well drained soil with abundant moisture. It should be sown in June or July and transplanted to open ground in August, two by two feet apart. .Pkt. 10c; oz. 25c



FORDHOOK LIMA

FORDHOOK BUSH LIMA

This potato lima was bred from the old Kummerle or Dreer Bush Lima and is much superior to its parent. It has the very excellent habit of growing stiffly erect and therefore keeping its bean off of the ground. Contact with the ground discolors beans and is very detrimental to them.

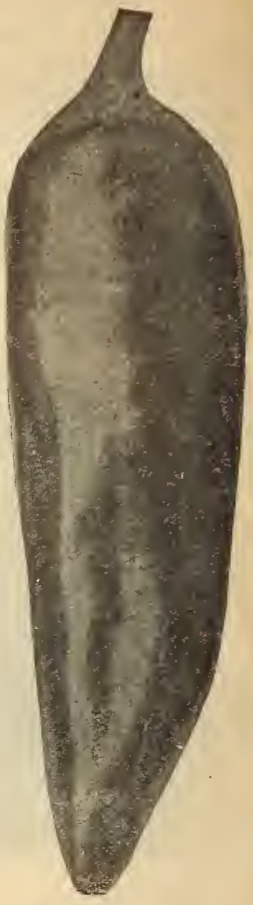
The plants are about thirty inches high and bear an immense crop of fine large pods. The pods are borne in clusters of from five to eight and measure five to six inches long. The beans are delicious and mature eight to ten days earlier than other bush limas.

Pkt. 10c; ½ lb. 20c; lb. 35c, postpaid. Not postpaid, lb. 25c; 2 lbs. 45c; 4 lbs. 80c; 10 lbs. $1.75.

ANAHEIM PEPPER

Plants are very vigorous and produce fruits 6 to 8 inches long, tapering from 1½ to 2 inches in diameter at top to almost a point. When dried they are a brilliant scarlet and are still more pungent than the Black Mexican Chili Pepper.

Pkt. 5c; ½ oz. 15c; oz. 25c; ¼ lb. 75c



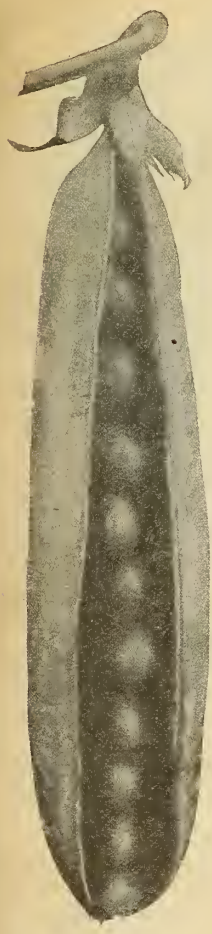
ANAHEIM PEPPER

NEW EARLY CABBAGE

COPENHAGEN MARKET

Without doubt the finest, largest round-headed early cabbage in cultivation. The type is fixed and heads mature all at the same time. This is a big advantage to the market gardener. The heads are large, averaging about 10 pounds, are very solid and of fine flavor. It matures as early as the Wakefield and yield is much heavier. The plant is short stemmed. Color is light green. Seed from originator in Denmark.

Pkt. 10c; ½ oz. 15c; 1 oz. 25c; ¼ lb. 75c; 1 lb. $2.50.



PIONEER PEA

SURE CROP WAX BEAN

Sure Crop Wax is a new variety produced by crossing Currie's Rust-Proof with Round Pod Kidney Wax. It is very early, the pod is long, being flat when young but becoming thick-flat later. The seed is black and the pod of a rich yellow color, perfectly stringless at all stages of growth and of fine flavor.

The Sure Crop Wax is very vigorous and healthy, very prolific and altogether an excellent variety.

Postpaid, pkt. 10c; ½ lb. 25c; lb. 40c. Not postpaid, ½ lb. 20c; lb. 35c; 2 lbs. 60c; 5 lbs. $1.35.

PIONEER PEA

The Pioneer is a new variety of the large podded dwarf type. The pods are even larger than those of the Gradus and the vines are up to 24 inches tall. The Pioneer is strictly an early variety, being just a few days later than the Alaska and from eight to eleven days earlier than the Telephone.

The Pioneer is a fine new variety worthy of a place in every garden and especially in the market garden.

Postpaid, pkt. 10c; ½ lb. 20c; lb. 35c. Not postpaid, lb. 30c; 2 lbs. 50c; 5 lbs. $1.00.

THE NEW "JUNE PINK" TOMATO

Undoubtedly the best pink-fruited early Tomato in cultivation. It is fully as early as "Spark's Earliana," of high productiveness and the vines are absolutely blight proof. The splendid round, solid, meaty Tomatoes are the attraction of the markets. The plants are very thrifty, making a very vigorous growth. The fruits are usually set in large clusters and run from 2½ to 3½ inches in diameter. They stand shipping exceedingly well and bring highest prices wherever offered. The Tomatoes are solid, free from core, have only few seed cavities and the meat is of fine flavor. "June Pink" is altogether the most desirable pink variety of first crop.....Pkt. 10c; ½ oz. 20c; oz. 35c; ¼ lb. $1.00

SURE-CROP WAX BEAN

WHITE DELICIOUS RADISH

Not since the now popular "Icicle" Radish was brought to us from Germany years ago have we found such an excellent Radish as the "White Delicious," which we now offer to Western Planters. "White Delicious" is particularly adapted for summer use, producing handsome olive-shaped roots, which are pure white, exceedingly crisp and of mild flavor. "White Delicious" requires a longer time to mature than the earlier varieties of Radishes, but it remains in fine condition much longer. It is altogether the most desirable variety for summer use and we are sure our customers will like it.....Pkt. 10c; oz. 15c; ¼ lb. 30c; lb. $1.00

If you buy in large quantities write for our Market Gardener's Price List.

GOLDEN PONDEROSA

A Splendid Novelty

There are several varieties of Yellow Tomatoes on the market, but most of them are valuable only on account of the novelty of the yellow color.

The Golden Ponderosa has all the good qualities of the Red Ponderosa, and in addition has a striking yellow color, which makes it very attractive.

It is a heavy yielder and the tomatoes are of very large size and of a delicious flavor. Excellent for slicing and when the slices are served on a dish with slices of red tomatoes the effect is very pretty and attractive.

Pkt. 10c; oz. 30c

BLACK BEAUTY EGG PLANT

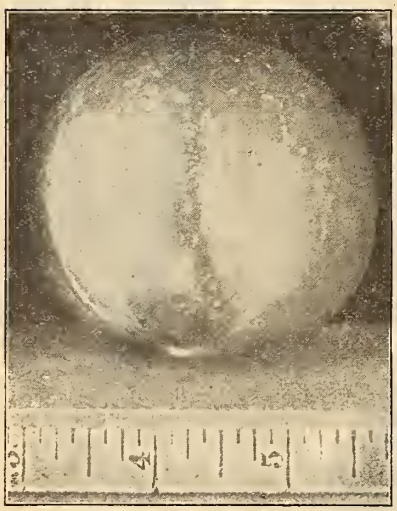
The earliest large-fruited variety. The fruits set freely and develop quickly, so the entire crop can be harvested before frost. They are large, thick and of a rich lustrous purplish-black. The calyx is entirely free from spines or thorns.....Pkt. 10c; ½ oz. 25c; oz. 40c; ¼ lb. $1.15

NEW BOHEMIAN HORSERADISH MALINER KREN

The Maliner Kren Horse Radish Roots were introduced by the U. S. Department of Agriculture. They are much earlier and produce better than the ordinary sort. The roots grow larger, are whiter, and quality is far superior. All who grow Horse Radish should try this variety.

Dozen 20c; 50 for 60c; 100 for $1.00, postpaid.

LEMON CUCUMBER



LEMON CUCUMBER

Here is a cucumber in the shape of a lemon, and having a flavor that at once puts it ahead of the common cucumber. It is bound to become a great favorite as a table delicacy. It is an excellent shipper, and pickled as a gherkin, is delicious.

Pkt. 10c; oz. 20c; ¼ lb. 70c; lb. $2.00

SAKURAJIMA RADISH

This Japanese curiosity is the largest of the Oriental winter radishes. It is a white variety of a good quality and mild flavor, attaining a length of 2 feet, and a diameter of 1 foot or more.

Should be sown in July in drills 2 feet apart and thinned to 1 foot apart in the rows. If sown in the spring the winter radishes are apt to go to seed and form no root. In China and Japan they are most commonly eaten cut in chunks and pickled in brine; also sliced or shredded when fresh.....Pkt. 10c; oz. 20c

SAKURAJIMA RADISH

PEPPER PIMIENTO

This new pepper is very mild, with thick heavy flesh and has a delicate flavor. The shape is very good, being of medium length and smooth. It presents an attractive appearance when filled for the table. It is also delicious when used in salads or creamed like onions. Very prolific and a good shipper.

Pkt. 10c; ¼ oz. 15c; oz. 50c; ¼ lb. $1.50

WINTER CASABA MUSK MELONS

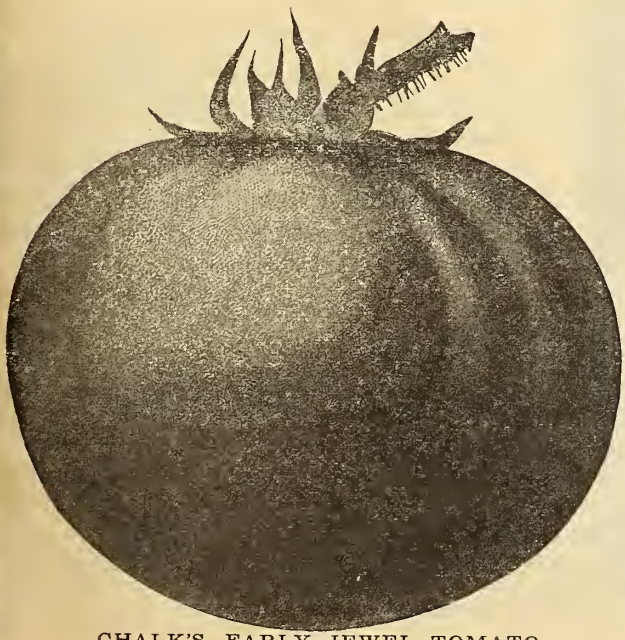
Winter Melons are becoming more popular every year and the two varieties offered here are two of the best.

SANTA CLAUS. The name is well appropriated, as you cannot have anything more delicious for your Christmas dinner. The rind has the appearance of a mottled pomegranate. The shell is hard and about one-eighth inch thick. There is no seed cavity. The seeds are embedded in a jelly-like pulp. The light green flesh is absolutely stringless. Plant the seed early; pick when the green turns to bright yellow and put away until slightly soft.

Pkt. 10c; oz. 25c; ¼ lb. 75c; lb. $2.50

WINTER PINEAPPLE. This is the green melon used extensively for shipping East for the holiday and winter trade. Melons do not mature on the vines and the flavor is greatly improved by being stored in a cool place.....Pkt. 10c; oz. 20c; ¼ lb. 60c; lb. $2.00

CHALKS EARLY JEWEL TOMATO



CHALK'S EARLY JEWEL TOMATO

Of most handsome appearance, finest flavor and early ripening qualities, this new bright red Tomato is destined to become a leader among the already numerous popular varieties. In time of ripening it is within a week or ten days later than "Spark's Earliana," the well known earliest of all bright red tomatoes. The extremely handsome fruits are of the finest table qualities, possessing remarkably sweet flavor. They are solidly meaty, having small seed cavities and are not apt to crack. The plants are of robust growth, strong, producing fruits throughout the season, and for this reason we recommend to plant "Chalk's Jewel" not only for an early crop producer, but as one which may be planted as a main crop as well.

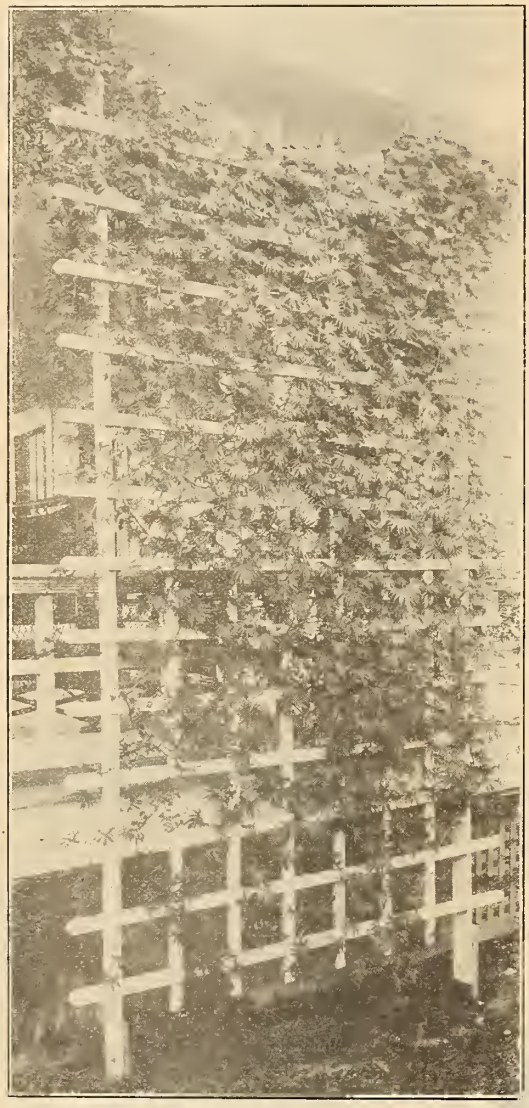
For general garden planting, where customers wish to limit their choice to one variety, we can safely recommend "Chalk's Early Jewel" as the variety which will give the best satisfaction.

Pkt. 10c; ½ oz. 15c; oz. 25c; ¼ lb. 75c.

RED SUNFLOWER

Horticulturists have been trying for years to get a Red Sunflower. They have not quite succeeded, but have come very near it. We offer a flower the petals of which are red and tipped with yellow. This is a decided novelty and will please you.....Pkt. 10c

FOUR FINE CLIMBERS



CARDINAL CLIMBER

CARDINAL CLIMBER

This is easily the best annual climber introduced in recent years. It is a very rapid grower and attains a height of twenty-five feet in a season. It has beautiful fern-like leaves and is literally covered from mid-summer to frost with brilliant, fiery red flowers about one and one-half inches in diameter and borne in clusters of five.

It needs a sunny situation and good rich soil. The seeds should be soaked in water a few hours before sowing and should not be planted outside until about the first of May. This plant is a very shy seeder and therefore the seeds are quite expensive.....Pkt. 10c; 3 pkts 25c

FANCY JAPANESE MORNING GLORY—FRINGED

The perfection of Morning Glories. Immense flowers, often as big as a saucer. The colors, shadings and markings of the flowers are limitless. The foliage is luxuriant, distinct and varied, green, silvery and yellow. The robust vines attain a height of 30 to 40 feet in one season. Soak the seed in lukewarm water for a few hours before planting.

Mixed Colors, Pkt. 10c

DOUBLE MORNING GLORY

The variety of colors is almost limitless, running from the darkest reds and purples through all shades of blue and pink to snow-white. Flowers are streaked, mottled, striped, marbled and bordered in wonderful fashion. They are double and semi-double and some are so much fringed as to have the appearance of a double flower.

Mixed Colors, Pkt. 10c

KUDZU VINE

Jack-in-the-Bean-Stalk-Vine—Pueraria Thunbergiana. The most rapid growing plant we have ever seen. It dies to the ground each fall, but makes the remarkable growth of from 50 to 70 feet each summer. The leaves resemble those of the lima bean and the foliage is very dense. Will grow anywhere and can stand an immense amount of hot weather. It grows slowly at first but when once started it will surprise you. You can almost see it grow. Fine for covering porches, arbors or old trees.

Seed, per pkt. 5c; ¼ oz. 30c. Root 25c each, 3 for 60c, postpaid

ORCHID-FLOWERED PANSY

Here is a unique type of pansy among the giant-flowered class. The upper petals are upright and plaited resembling orchids. The colors are terra cotta, flesh, orange, rose pink and lilac. The color combinations are unique and different from others. All pansy growers should try a packet of these as we are sure they will be delighted with them.....Price per pkt. 15c

CRINUM FIMBRIATUM

SOME NEW BULBS FOR SPRING PLANTING

CRINUMS

These beautiful, lily-like flowers come from the same family as Amaryllis and are so easily grown and so ornamental, even when not flowering, that they make the finest house plants. They can be grown in practically any soil out of doors, liking especially a warm, sunny position and plenty of moisture. Should be taken up in the fall and stored in a cool, dry place until spring.

CRINUM FIMBRIATUM OR ANGEL LILY

Flower is a pure white with streak of pink down the center of each petal. Delightfully fragrant and blooms all summer.

Price 25c each

CRINUM HYMENOCALLIS OR SPIDER LILY

Flower a pure white, lily-shaped, about six inches long and two inches wide, with delicate frilled edges, from which come six white rays that are five to six inches long. Has green stamens and pistil, making a unique and very lovely flower.....Price 25c each

CRINUM ISMENE GRANDIFLORA OR PERUVIAN LILY

Same plant as the preceding, but flower is pure white with a green throat. Lily is four to five inches wide and delicately frilled. A magnificent flower.....Price 25c each

GOLDEN CALLA

Same as the well known Calla Lily, except that the flower is of a golden yellow color. A very pleasing novelty.....Price 20c each

THE MEXICAN EVER-BLOOMING SINGLE TUBEROSE

They have tall, stiff stems, with single pure white flowers, delightfully fragrant. They should not be planted before danger of frosts is passed. They never blight and the smallest bulb blooms the first season, generally sending up from 5 to 15 flower stalks. If the stalk is cut when the first flower opens and put in water the flowers increase in size and whiteness and keep for a week or ten days. Planted in May will bloom in August.....Each 10c; 2 for 15c; doz. 65c

MEXICAN TUBEROSE

DIMORPHOTHECA AURANTIACA

The African Golden Orange Daisy

This is an extremely showy annual of easy culture and is a beautiful flower. The hardy plant has a branching habit, growing 10 to 12 inches in height, and is an exceedingly profuse bloomer. The margurite-like blossoms, about 2½ inches in diameter, are of a rich, glossy orange gold color.....Packet 10c

BARTELDES' VEGETABLE SEEDS

Have Given Satisfaction Since 1867. You Can Depend Upon Them.

We will send postpaid all vegetable and flower seeds at the prices given in this catalog, except such heavy seeds as Peas, Beans, Corn, Field Seeds, Grass Seeds and Onion Sets. If these are wanted by mail it will be necessary to add to the remittance 5 cents a pound for small quantities and regular parcel post rates for larger quantities.

The parcels post will be found very convenient and very cheap.

ARTICHOKE

Artischoke — Alcahofa

There are two kinds of Artichokes. The Green Globe and the Jerusalem. The heads of the Green Globe are cooked like Asparagus and make a very delicious food. The roots of the Jerusalem are used for stock feed. This variety will be found listed under field seeds.

CULTURE. Sow in April in rich soil and transplant the following spring to permanent beds (in rows or hills) three feet apart and two feet between the plants. Green Artichoke gives only partial crop the first season, but the beds will be bearing for years. Protect in winter by a covering of leaves or coarse manure.

LARGE GREEN GLOBE. The standard variety. Produces large, globular heads, scales, green shading to purple ..... Pkt. 5c

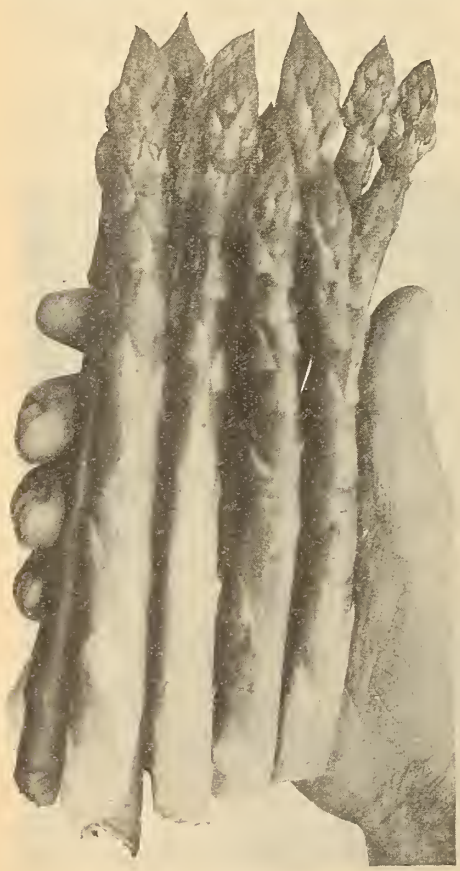
JERUSALEM ARTICHOKES. Cultivated for its roots, which make an excellent crop for stock feeding. Tubers in season.

For full description and prices in quantities, see field seed section.

ASPARAGUS

Spargel — Asparago

CULTURE. The seed can be sown in any garden soil and should be sown in rows about 14 inches apart as early in the spring as possible. Cultivate thoroughly and thin plants to three inches in the row. The permanent bed should be of deep, rich, loamy soil, well stirred, and as these beds must bear for a good many years they should be well manured and fertilized. If the soil is of stiff clay it should be loosened up by using plenty of sand or even coal ashes. Have rows from two to four feet apart and set the plants a foot apart and at least six inches below the surface. Cut sparingly the second season but after that the beds will yield full crops. One ounce of seed will produce about 250 plants and it takes four or five pounds to the acre.



PALMETTO

For full directions how to grow Asparagus, get our Asparagus Book by Hexamer, price 50c

COLUMBIAN MAMMOTH WHITE. A magnificent variety. It furnishes fine, white shoots, which stay white as long as they are fit to use without any artificial means of blanching ..... Pkt. 5c; oz. 10c; ¼-lb. 25c; lb. 70c

CONOVER'S COLOSSAL. The standard sort, of a large size and excellent quality ... Pkt. 5c; oz. 10c; ¼-lb. 20c; lb. 55c

EARLY ARGENTEUIL. Just recently introduced. It is very early and of extremely vigorous habit, two qualities which make this variety less apt to be attacked by rust. The flavor of the stalk is very delicious. It is appreciated wherever there are people who relish Asparagus.
Pkt. 5c; oz. 15c; ¼-lb. 40c; lb. $1.00

PALMETTO. Of bright green appearance, very large size and even, regular growth. Its immense productiveness combined with earliness and good qualities, make it a fine variety for general use.
Pkt. 5c; oz. 10c; ¼-lb. 25c; lb. 70c

ROOTS OF THE ABOVE VARIETIES. 25c per dozen; $1.00 per 100. Price for larger quantities on application.

BOUGHT BARTELDES SEEDS FIFTY YEARS AGO

Barteldes Seed Co.,
Lawrence, Kans.

Gentlemen: Please send me your 1915 Catalog.

Now listen. I am a very old customer of yours, having bought seeds of you in the spring of 1867 and 1868. I lived on the Wakarusa southeast of Lawrence during the war. I left there in the spring of 1868. I planted my first garden in this country with Barteldes' seeds, and I am coming back again. Respectfully,

J. G. PENIX.

BEANS

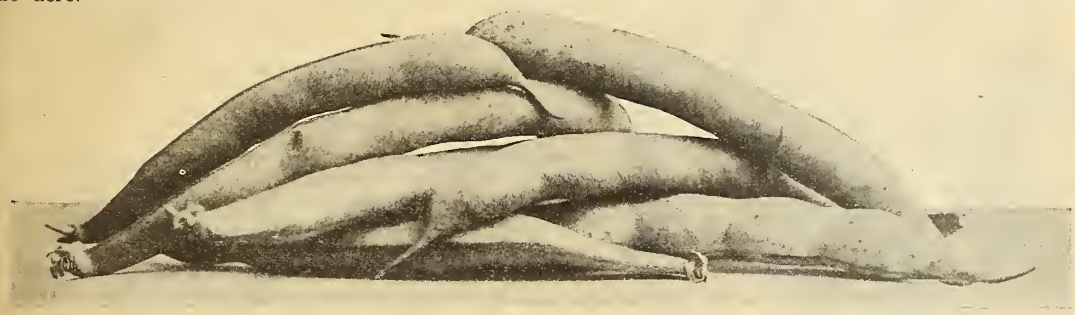
NOTICE. We are selling everything by the pound. A pound of beans is equal to a little more than a pint.

In ordering beans, peas and sweet corn, grass and other field seeds by mail please add postage 5 cents per pound in small lots and regular parcel post charges for larger quantities. Seeds now go at regular parcel post rates.

The Bean is one of the most satisfactory vegetables for the home garden. A small patch will supply a good many messes for the table, an almost constant supply can be had by making successive plantings of about ten days apart during the spring, and a fall crop can be had by planting about eight weeks before the first expected frost. They can be served in several different ways and are very easily canned for winter use.

CULTURE. Bush Beans can be planted either in hills or drills but the latter method is the more common. The beans should be planted from one and a half to two inches deep and about four inches apart. The soil should be thoroughly pulverized so the beans will have no difficulty in pushing through. The rows can be from eighteen inches to three feet apart.

Beans are often planted as a catch crop between squashes, cucumbers, etc. They protect the tender vines and are out of the way before the entire area is needed for the companion crop. Beans are also planted between the lettuce plants just before the latter reach marketable size, so that by the time the lettuce is removed the area will be occupied by the young beans. One pound to 60 feet of drill; 1 to 1½ bushels to the acre.



Stringless Green Pod

This is today the most popular bean of its class and is the staple variety for general purposes. The pods are long, round, thick, free from strings and very meaty. They are of dark green color, very attractive and of excellent flavor.

The plants are very vigorous and the pods are produced early and in large quantities.

Pkt. 5c; ½-lb. 15c; lb. 25c

EXTRA EARLY RED VALENTINE. An old favorite and has only recently been surpassed by the Stringless Green Pod. Very prolific and the pods are fine and round, and very tender while young. It is as early as the preceding one, but the pods are not quite as long nor as straight. . . . . Pkt. 5c; ½-lb. 15c; 1-lb. 25c

EARLY YELLOW SIX WEEKS. The pods are long, flat and of a bright green color. Plants form erect bushes. . . . . Pkt. 5c; ½-lb. 15c; 1-lb. 25c

EXTRA EARLY REFUGEE OR BROWN SPECKLED VALENTINE. This may be called one of the second early sorts. Pods are round, of good flavor, but because of the great vigor of the bush it needs twice the usual room. Pkt. 5c; ½-lb. 15c; 1-lb. 25c

GIANT STRINGLESS GREEN POD VALENTINE. The round, meaty pods resemble the Early Red Valentine, but this bean matures a week or ten days later. The pods are quite stringless and brittle at all stages and this variety is to be recommended highly. . . . . Pkt. 5c; ½-lb. 15c; 1-lb. 25c

DWARF HORTICULTURAL. An excellent soup bean in summer, a fine baking bean in winter. . . . . Pkt. 5c; ½-lb. 15c; 1-lb. 25c

LARGE WHITE MARROWFAT. The standard of white soup beans.

Pkt. 5c; ½-lb. 15c; 1-lb. 25c

BROAD WINDSOR. Quite hardy and consequently can be planted very early.

Pkt. 5c; ½-lb. 15c; 1-lb. 25c

If you buy in quantities ask for Market Gardener's Price List.

EXTRA EARLY RED VALENTINE

BARTELDES' COOK BOOK

This book gives many excellent recipes for preparing vegetables in the most delicious and appetizing manner.

It is Free. See page 2.

BEANS—Continued

IMPROVED GOLDEN WAX

Postage 5 cents per pound in small lots and regular parcel post charges in quantities.

WAX PODS

SURE CROP WAX

See Under Novelties

IMPROVED GOLDEN WAX (Rust Proof). The standard wax bean for years. The pods are large, slightly flattened, brittle, quite stringless when young, and of golden wax color. It is very tender, of fine flavor, and is unexcelled as a shell bean for winter use. The bushes are of compact growth and very prolific.
Pkt. 5c; ½-lb. 15c; 1-lb. 25c

DWARF GERMAN BLACK WAX. Sometimes called Butter Beans. One of the earliest varieties, producing fine, round, meaty pods of good quality.
Pkt. 5c; ½-lb. 15c; 1-lb. 25c

WARDWELL'S KIDNEY WAX. Highly recommended for private planters and market gardeners. The pods are flat, straight, and are produced in large quantities.
Pkt. 5c; ½-lb. 15c; 1-lb. 25c

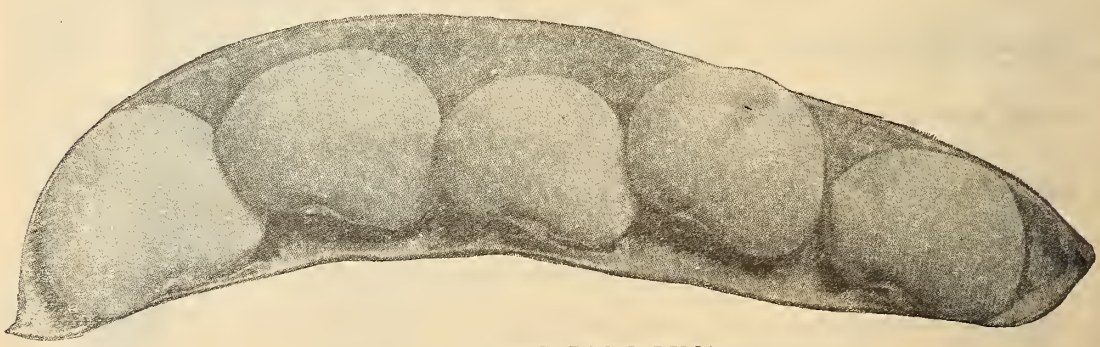
PENCIL POD BLACK WAX. Plant grows about 15 inches high, very productive, with straight pods 6 to 7 inches long, light golden yellow color, round, meaty and deeply saddle-backed; flesh brittle, solid and stringless; flavor fine.....Pkt. 5c; ½-lb. 15c; 1-lb. 25c

CURRIE'S RUST PROOF BLACK WAX. As near rust proof as a good bean can be. Very vigorous and hardy and productive.....Pkt. 5c; ½-lb. 15c; 1-lb. 25c

DAVIS' WHITE WAX. This bean does not discolor, and is therefore excellent for canning. It is immensely productive and a very good shipper. The pods are straight and 5 to 6 inches in length. The dry bean is white and very desirable for winter use..Pkt. 5c; ½-lb. 15c; 1-lb. 25c

BUSH LIMA BEANS

FORDHOOK BUSH LIMA. (See under Novelties.)



BURPEE'S BUSH LIMA

BURPEE'S BUSH LIMA. This is the bush form of the Large White Lima. The bush is about 20 inches high and up to two and a half feet in diameter, bearing from 50 to 100 large pods.
Pkt. 5c; 1-lb. 20c; 2 lbs. 30c; 10 lbs. $1.25

HENDERSON'S BUSH LIMA. This bean is about two weeks earlier than the pole Limas. It needs no stakes and produces an enormous crop of delicious Lima beans.
Pkt. 5c; 1 lb. 20c; 2 lbs. 30c; 10 lbs. $1.25

BEANS—Continued

POLE OR RUNNING VARIETIES

Stangenbohnen **Porotos de enrame**

Postage 5 cents per pound in small lots and regular parcel post charges in quantities.

BURGER'S GREEN STRINGLESS. This bean has surpassed the old Kentucky Wonder, it being earlier and bearing for a longer time. The pods are stringless and up to eight inches long, dark green, very tender, and have a delicious flavor. The dry beans are white.
Pkt. 5c; lb. 20c; 2 lbs. 30c; 10 lbs. $1.25

KENTUCKY WONDER OR OLD HOMESTEAD. This has been for a long time the most popular bean. It is very vigorous, climbs well, and bears abundance of nearly round pods which are often ten inches long.
Pkt. 5c; lb. 20c; 2 lbs. 30c; 10 lbs. $1.25

WHITE CREASEBACK. Extremely early and matures all its pods at the same time. Vines are medium sized but wonderfully productive in good soil. The pods are quite round, quite fleshy, medium sized, silvery green, and are borne in clusters of four to twelve. Are excellent snap beans, fine shippers and are especially fine for baking.
Pkt. 5c; lb. 20c; 2 lbs. 30c; 10 lbs. $1.25

LAZY WIFE. So named because of the easy picking, and a very popular bean in some localities. Pods are broad, thick, very fleshy, entirely stringless and of a rich buttery flavor when cooked. The beans are white and make a good dry bean for winter use.
Pkt. 5c; lb. 30c; 2 lbs. 50c; 10 lbs. $2.00

CUT SHORT OR CORN HILL. The old standard for planting among corn. Pods are short, round and tender.
Pkt. 5c; lb. 20c; 2 lbs. 30c; 10 lbs. $1.25

WHITE DUTCH CASEKNIFE. Pods are large, flat and green; can be either snapped or shelled.
Pkt. 5c; lb. 20c; 2 lbs. 30c; 10 lbs. $1.25

HORTICULTURAL, OR SPECKLED CRANBERRY. A showy bean and matures in eighty days. Pods green, dashed with red, valued as a snap or for shelling.
Pkt. 5c; lb. 20c; 2 lbs. 30c; 10 lbs. $1.25

EARLY GOLDEN CLUSTER WAX. The only wax bean among the pole varieties. It bears from July until frost and the pods are six to eight inches long and come in clusters from three to six. The flavor is most excellent.
Pkt. 5c; lb. 25c; 2 lbs. 45c; 10 lbs. $2.15

KENTUCKY WONDER

FLOWERING BEANS

SCARLET RUNNER. Has a fine scarlet flower and is very desirable for covering trellises, old fences, etc. The green pods are edible. . . . . Pkt. 5c; lb. 30c; 2 lbs. 50c

POLE LIMA BEANS

LARGE WHITE LIMA OR BUTTER BEANS. The old favorite and of fine flavor.
Pkt. 5c; lb. 20c; 2 lbs. 30c; 10 lbs. $1.25

KING OF THE GARDEN LIMA. This is a decided improvement over the large White, being a strong grower, very productive and bearing large, well filled pods. The beans are usually shelled, of fine quality and excellent flavor . . . . . Pkt. 5c; lb. 20c; 2 lbs. 30c; 10 lbs. $1.25

SMALL CAROLINA, OR SIEVA LIMA. This is a small type of the pole limas. It matures quickly, produces immense crops, and makes an excellent bean for winter use.
Pkt. 5c; lb. 20c; 2 lbs. 30c; 10 lbs. $1.25

THE BARTELDES FARM GUIDE AND BARTELDES COOK BOOK

Two excellent books that should be in every farm house. One gives a lot of valuable information in regard to farm topics and the other in regard to cooking, etc.
We give these valuable books free. See page 2.

TABLE BEETS

Rote Rüben **Remolachas**

Beets can be very easily grown in the home garden. Beets are used for pickles, boiled, sliced, and fried n butter, adding a little vinegar just before removing from the fire. The young plants are used for greens.

CULTURE. Beets do best in rich, sandy loam, but may be grown in any good soil. The seed should be sown in the spring as soon as danger of frost is passed, in rows from 12 to 30 inches apart. As soon as the plants are well up they should be thinned to 4 or 5 inches in the row. The seed should be covered to the depth of about an inch. It takes about two ounces of seed for 100 feet of row and about 6 to 8 pounds to the acre.

For a succession of young beets during the summer plant every four weeks during spring months. Beets for winter storage should be sown in late summer.

EARLY MODEL

Early Model

The earliest of any beet in existence. It is of perfect globe shape with small tap roots. The color of the flesh is very dark red, which makes it splendid for pickling purposes. In flavor it cannot be beat. It is tender, sweet and juicy, retaining its crispness throughout the season. The foliage is of a very dark color, is very small, permitting close planting of beets. This is one of the best acquisitions of recent years.....Pkt. 5c; oz. 15c; ¼-lb. 30c; lb. $1.00

Barteldes' Early Blood Turnip

This is a carefully selected strain of this Blood Turnip Beet. It is very early, deep blood red and almost round. It is smooth and an excellent forcing variety. Good for main, spring or summer crop, and is a fine keeper. It cooks sweet and crisp and is an excellent beet in every respect.....Pkt. 5c; oz. 10c; ¼-lb. 30c; lb. $1.00

EARLY BLOOD RED TURNIP. This is a turnip beet, and is the old standard among the early varieties. It is of dark red color and is perhaps the most popular of all beets.
Pkt. 5c; oz. 10c; ¼-lb. 30c; lb. $1.00

EXTRA EARLY EGYPTIAN. An extra early turnip-shaped variety; has small tops and grows quickly. The flesh is in alternate rings of white and red..... Pkt. 5c; oz. 10c; ¼-lb. 30c, lb. $1.00

DETROIT DARK RED. A choice strain of dark red turnip beet of globular to oval shape with smooth roots and small tops. Skin is blood red, zoned with light shades, tender and sweet. Fine for market and canning... Pkt. 5c; oz. 10c; ¼-lb. 30c, lb. $1.00

THE LENTZ. As early as the Egyptian, flesh very tender and sweet at all times. Very productive, a good keeper and will produce crop in six weeks from time of planting.
Pkt. 5c; oz. 10c; ¼-lb. 30c; lb. $1.00

ECLIPSE. This is as early as the Egyptian, but is more desirable owing to its globe shape, smoothness and regularity. It has a small firm top, is very sweet, fine and of dark red color.
Pkt. 5c; oz. 10c; ¼-lb. 30c; lb. $1.00

HALF LONG RED. Larger than the turnip beets and makes a heavier yield.
Pkt. 5c; oz. 10c; ¼-lb. 30c; lb. $1.00

LONG BLOOD RED. The old standard variety for table and cattle. It is the best drouth resister of all; color deep red, flesh very sweet. Grows entirely under the ground.
Pkt. 5c; oz. 10c; ¼-lb. 30c; lb. $1.00

EDMOND'S BLOOD TURNIP—Handsome round shape, skin very deep, blood red color, flesh very dark and exceedingly sweet and tender. Very regular and of good size. Make excellent bunch beets.....Pkt. 5c; oz. 10c; ¼-lb. 30c; lb. $1.00

CROSBY'S EARLY EGYPTIAN. One of the earliest and best on the market. It is more globular than the Early Egyptian. Especially good for market gardeners..Pkt. 5c; oz. 10c; ¼-lb. 30c; lb. $1.00

SWISS CHARD, OR FOLIAGE BEET. This is a distinct vegetable from the common beet, much superior for greens, and is ready for use much earlier. When mature, the plants form broad, flat and beautifully white and wax-like stems, which are very delicious when cooked as beets and asparagus tips, or pickled. We recommend this beet.....Pkt. 5c; oz. 15c; ¼-lb. 30c; lb. $1.00

SUGAR BEETS AND STOCK BEETS

Runkel Rüben **Remolachas Forrajetas**

CULTURE. The soil for these should be plowed more deeply and the drills should be farther apart than for garden beets. Sow in April or beginning of May in drills from 2 to 3 feet apart, and when 4 to 5 inches high thin to 12 or 15 inches in the row. As soon as frost comes dig up the roots, cut top off and then pile 5 to 6 feet deep on a raised and sloping situation and cover at frost with straw or hay and one inch of earth. As it gets colder, increase to 5 or 6 inches of earth; by so doing all danger of heating is obviated, and the roots keep until next summer. Four or five pounds are sown to the acre. Sugar beets are also used for stock feeding, and while not as large as the Mangels, they have a higher percentage of sugar and therefore are of higher feeding value.

SUGAR BEETS

Practically all of the Sugar Beet seed comes from Europe and at the present writing the outlook is that this seed will be very scarce. We therefore advise early ordering of this seed.

RED TOP SUGAR. Fine, sweet flesh and the best for cattle feeding.
Oz. 5c; ¼-lb. 15c; lb. 50c

LANE'S IMPERIAL SUGAR. Will yield almost as much as the best Mangel.
Oz. 5c; ¼-lb. 15c; lb. 50c

SILESIAN SUGAR. The old well-known standard variety and a good beet for feeding.....Oz. 5c; ¼-lb. 15c; lb. 50c

VILMORIN'S IMPROVED SUGAR. This is one of the best for making sugar. The skin is a creamy color and flesh is white.....Oz. 5c; ¼-lb. 15c; lb. 50c

WHITE KLEIN WANZLEBEN SUGAR. The beet contains 15 to 16 per cent sugar, and yields, under an average condition, 16 tons to the acre. It has a long, slender root, and grows deeply sunk into the ground.....Oz. 5c; ¼-lb. 15c; lb. 50c

Write for special quotations on large quantities.

MAMMOTH LONG RED MANGEL

STOCK BEETS

YELLOW GLOBE MANGEL. This beet is easily pulled and more delicate than the Long Red.....Oz. 5c; ¼-lb. 15c; lb. 50c

GOLDEN TANKARD. This is a yellow beet, the most prolific variety, and very nutritious. It is one of the most profitable varieties for stock feeding.
Oz. 5c; ¼-lb. 15c; lb. 50c

MAMMOTH LONG RED MANGEL. These roots attain an enormous size and it is a fine variety for feeding.
Oz. 5c; ¼-lb. 15c; lb. 50c

RED GLOBE MANGEL. This variety is especially adapted to shallow soils. It is a large, round beet, red-skinned and white fleshed. It is an excellent keeper.
Oz. 5c; ¼-lb. 15c; lb. 50c

GIANT HALF SUGAR MANGEL. This beet combines the large size of the Mangel with the great feeding value of the Sugar Beets. The flesh is white, crisp and very sweet, and the beet grows well above the ground. We recommend it especially.
Oz. 5c; ¼-lb. 15c; lb. 50c

BRUSSELS SPROUTS

Rosenkohl **Col de Bruselas**

This another member of the Cabbage family. They form a straight stalk which bears on all sides a large number of miniature cabbages. These have a particularly fine flavor and are esteemed a delicacy by many.

Brussels Sprouts are more hardy than cabbage, and in mild climates may remain in the open ground all winter, the heads being removed as desired. For winter use in cold localities, take up plants that are well laden with heads and set them close together in a pit, cold frame or cellar, with a little soil around the roots.

Pkt. 5c; oz. 15c; ¼-lb. 50c; lb. $1.60

BRUSSELS SPROUTS

BROCCOLI

Spargelkohl **Coliflor de moradu**

This plant belongs to the family of "Brassica" and is cultivated like Cabbage, Cauliflower and the other members of that family. Sow early in the spring, then transplant and set out. It will form heads like Cauliflower, but it is more hardy and of a less delicate flavor. It is grown in cold localities to some extent, and also in the South for winter use.

Purple Cape:
Pkt. 5c; oz. 35c; ¼-lb. $1.00

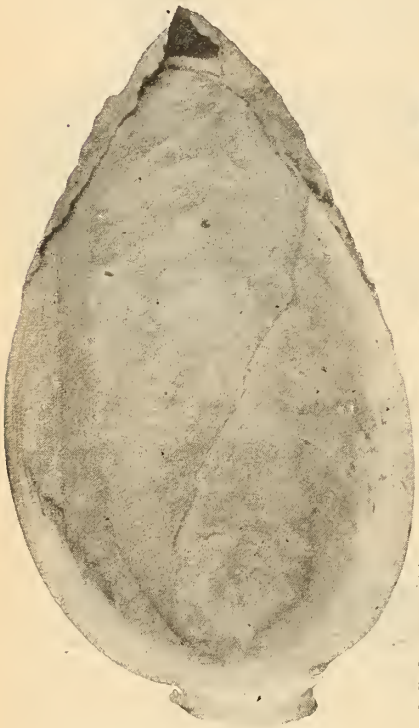
Large White Mammoth:
Pkt. 5c; oz. 35c; ¼-lb. $1.00

CABBAGE

Weisskraut **Col Repello**

CULTURE. For early cabbages sow the seed in a hotbed in March or April, covering the seed from ¼ to ½-inch deep and when big enough transplant to another bed. As soon as the ground is in good condition transplant outside in rows 2 feet apart and 15 to 18 inches in a row. The soil should be mellow, rich and well drained. For late crops the seed can be sown in a cold frame, or even in the open ground, and then transplanted in rows 3 feet one way and 2 feet the other, so as to be able to work with a horse and cultivator. One ounce of saltpeter dissolved in 3 gallons of rain water sprinkled over the cabbage or cauliflower will destroy the green worm. The liquid being clear does not color the cauliflower or cabbage heads. Fine air-slacked lime or tobacco dust sifted on the young plants as soon as the fleas appear on the ground will prevent them from doing harm. One ounce of good seed will produce 2,000 plants. About 16,000 early or 8,000 late cabbage plants to one acre.

Danish Stonehead, Page 4 **Copenhagen Market, Page 6**



JERSEY WAKEFIELD

EARLIEST VARIETIES

TRUE JERSEY WAKEFIELD. This is a most remarkable variety, particularly adapted to the wants of market gardeners. It heads evenly from the latter part of June to the beginning of July. It is erect in growth and has cone-shaped heads.

Our stock is of the true Long Island type, and is sure to give satisfaction.....Pkt. 5c; oz. 20c; ¼-lb. 65c; lb. $2.00

EARLY WINNINGSTADT. A well-known and popular early variety, but matures a little later than the Early Wakefield. The heads are large, solid and hard even in summer, decidedly conical, with bright glossy green leaves. This is a sure heading variety, valuable not only for early use, but also for winter cabbage. It is a favorite with the krautmakers.

Pkt. 5c; oz. 20c; ¼-lb. 45c; lb. $1.50

EARLY YORK. This is one of the earliest varieties, but it is not a very large size, nor will it stand extreme summer heat.

Pkt. 5c; oz. 20c; ¼-lb. 45c; lb. $1.50

EXTRA EARLY EXPRESS. This variety produces fair sized heads in 80 to 85 days from time of sowing. The heads are not as large as the Etampes, but are matured several days earlier.

Pkt. 5c; oz. 20c; ¼-lb. 65c; lb. $2.00

EXTRA EARLY ETAMPES. One of the very earliest and produces heads which are remarkably hard for a cabbage that ripens so early. The planter is always surprised at the extreme earliness of its maturity.....Pkt. 5c; oz. 20c; ¼-lb. 65c; lb. $2.00

SECOND-EARLY OR ROUND-HEAD VARIETIES

THE GLORY CABBAGE. This cabbage was recently introduced from Holland. It combines earliness with good size, qualities which are both very desirable for market purposes. This is easily one of the best sellers on the market.

Pkt. 5c; oz. 30c; ¼-lb. 85c

ALLHEAD EARLY. This is the earliest cabbage of the large early sorts and cannot be recommended too highly. It is larger than other varieties of its class and grows remarkably uniform.

Pkt. 5c; oz. 20c; ¼-lb. 65c; lb. $2.00

THE GLORY

CABBAGE—Continued

EARLY SUMMER. This variety is about five days later than the Wakefield, being fully double the size. In weight it is equal to most of the late varieties, and its short outer leaves enable it to be planted nearly as close as the Wakefield.
Pkt. 5c; oz. 20c; ¼-lb. 60c; lb. $1.75

EARLY DWARF FLAT DUTCH. A very popular variety because of its heat-resisting character. It never flaws under the most severe heat, and produces heads after the earliest varieties have disappeared..... Pkt. 5c; oz. 20c; ¼-lb. 60c; lb. $1.75

FOTTLER'S BRUNSWICK. This is a good second early variety.
Pkt. 5c; oz. 20c; ¼-lb. 60c; lb. $1.75

ALL SEASONS. A Drumhead cabbage as early and every way as good as Early Summer. This cabbage, while it matures a day or two later in the spring, when planted in July matures a day or two earlier than Early Summer in the fall, so that it will average as early, while the solid heads are from a third to a half again as large, and they are as good for winter use as for summer use.
Pkt. 5c; oz. 20c; ¼-lb. 60c; lb. $1.75

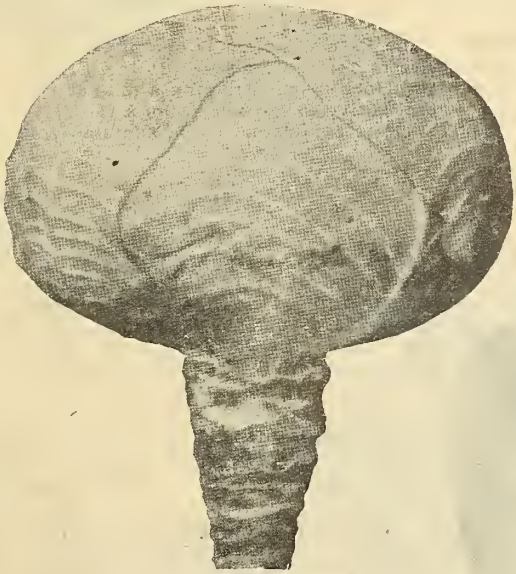
EARLY SPRING. Its great value lies in its being a first early flat cabbage, a type much preferred over the pointed heads by many. It is of the "Allhead Early" type, resembling it in habit of growth, but smaller, and is nearly as early as the Wakefield. The heads have few outside leaves, and these are small and grow so close to the head that they can be planted very close together. It is round in shape, slightly flattened, very solid even before the cabbage attain their mature size .. Pkt. 5c; oz. 20c; ¼-lb. 60c; lb. $1.75

MAIN CROP OR WINTER VARIETIES

COPENHAGEN MARKET

See Novelties

THE DANISH BALLHEAD. This variety of cabbage is grown exclusively for winter use by the Dutch gardeners, who brought it to perfection. The heads are perfectly round, extremely solid, fine grained, bear shipping well, and will keep far into the spring. It requires the full season to mature its heads alone.
Pkt. 5c; oz. 30c; ¼-lb. 85c; lb. $2.25.



DANISH BALLHEAD

ST. LOUIS LATE MARKET. This variety is very popular with the krautmakers. The plant is very vigorous and hardy, the leaves are large and broad, the stem of moderate length, the head is large, white and solid and seldom bursts.
Pkt. 5c; oz. 20c; ¼-lb. 60c; lb. $1.75.

SUREHEAD. It is remarkable for its certainty to head and produces large, round, flattened heads of the Flat Dutch type.
Pkt. 5c; oz. 20c; ¼-lb. 60c; lb. $1.75.

Varieties	Pkt.	Oz.	¼-lb.	Lb.
Premium Flat Dutch. Large fall and winter variety, particularly adapted to Kansas	5c	20c	60c	$1.75
Late Large Drumhead. This Cabbage is of the same type as the preceding	5c	20c	50c	$1.50
Marblehead Mammoth. It is indeed well named, as it is of true mammoth size	5c	20c	60c	$1.75

RED CABBAGE

Danish Stonehead, Page 4

Rotkraut **Repollo Colorado**

MAMMOTH RED ROCK. This is by far the largest and surest heading red cabbage ever introduced. The plants are large with numerous spreading leaves. The head is large, round, very solid, and of a deep red color. Ninety-eight per cent of the plants will form extra fine heads.
Pkt. 5c; oz. 20c; ¼-lb. 65c; lb. $2.00

SAVOY CABBAGE

Wirsing **Repollo de hojas crespas**

DRUMHEAD SAVOY. An excellent winter and spring family cabbage, partaking partially of the size of the Drumhead and the curled leaves of the Savoy. Market gardeners usually find it profitable to provide a limited quantity for discriminating customers; for family use it is equaled by none.
Pkt. 5c; oz. 20c; ¼-lb. 65c; lb. $2.00

CABBAGE PLANTS. We can furnish Cabbage and Cauliflower Plants about May 1st. If you are interested, write us for the names and prices of the varieties grown by us. See page 50.

CARROTS

Möhren **Zanhorias**

CULTURE. Carrots delight in sandy loam deeply tilled. For early crops, sow in the spring as soon as the ground is in working order; for late crops, sow any time until the middle of June. Sow in rows and do not cover more than one-half inch deep. One ounce to 150 feet of drill; three pounds to the acre.

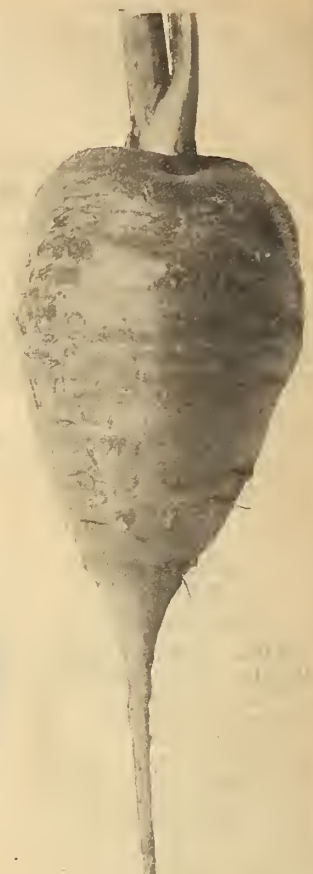
The late crop should be dug in the autumn and stored the same as parsnips or turnips. The roots of carrots are used at all times of the year, mostly in soups, but they may be boiled and served with butter, or creamed.

TABLE USE

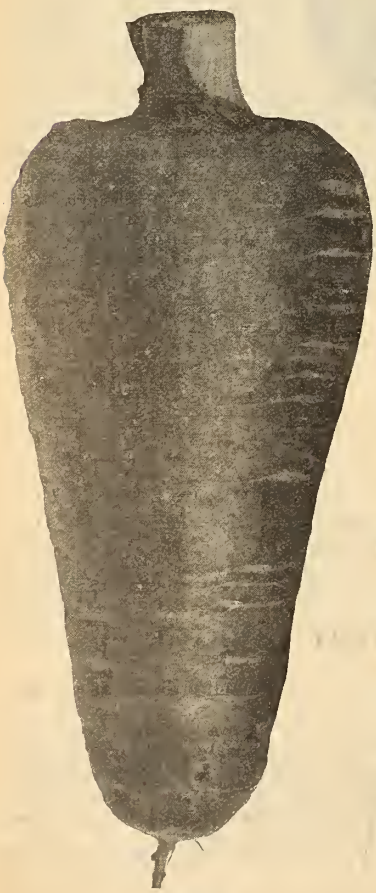
EXTRA EARLY SHORT FORCING. An excellent forcing variety; very tender, small tops, and of fine flavor.
Pkt. 5c; oz. 10c; ¼-lb. 30c; lb. $1.00

EARLY SCARLET HORN. A very early variety. Recommended for the market and home garden. Texture very fine and very delicate in flavor.
Pkt. 5c; oz. 10c; ¼-lb. 30c; lb. $1.00

OXHEART OR GUERANDE. The French Carrot is one of the most valuable varieties either for family use or for the market. It is an intermediate between the half long and the Horn types attaining a diameter of 3 to 4 inches at the neck. It is very productive, rich orange color and beautiful shape.....Pkt. 5c; oz. 10c; ¼-lb. 30c; lb. $1.00



OXHEART



CHANTENAY

CHANTENAY OR MODEL. A nice smooth carrot of perfect and uniform shape. A heavy yielder, a fine table quality, 5 to 6 inches long and easily dug. The flesh is of a deep yellow color, tender and of excellent flavor.
Pkt. 5c; oz. 10c; ¼-lb. 30c; lb. $1.00

DANVERS HALF LONG. Admirable in color, fixed in habit, a wonderful producer, the best of all for the stock breeder, and valuable to the market gardener. With this variety the planters secure the largest return to the acre, with the least difficulty of harvesting.
Pkt. 5c; oz. 10c; ¼-lb. 30c; lb. $1.00

HALF LONG SCARLET NANTES. Foliage finely cut, dark and of medium height, roots slender, smooth, and of a bright orange color, flesh orange becoming yellow towards the center, but with no distinct core. Quality very fine.... Pkt. 5c; oz. 10c; ¼-lb. 30c; lb. $1.00

CARROTS FOR STOCK-FEEDING

Für Futterzwecke **Para Forage**

IMPROVED LONG ORANGE. The old standby for both stock feeding and table use, either summer or winter. Fed to milch cows, it increases the flow of rich milk and gives to the butter a fine flavor and a beautiful golden color.....Pkt. 5c; oz. 10c; ¼-lb. 25c; lb. 75c

LARGE WHITE BELGIAN. Grows one-third out of the ground. Root pure white, green above the ground and has a small top. It will grow to a very large size on rich soil, and is very easily gathered. Flesh rather coarse and used exclusively for stock feeding purposes.
Pkt. 5c; oz. 10c; ¼-lb. 20c; lb. 60c

LARGE YELLOW BELGIAN. Practically the same as the above, except that the color of the flesh is yellow. An excellent keeper.
Pkt. 5c; oz. 10c; ¼-lb. 20c; lb. 60c

Barteldes Seed Co.,
Lawrence, Kans.

Gentlemen: Please send me your seed catalog. I take Capper's Weekly Paper and I see your big ad in it. I used to deal with you soon after I came home from the war in 1865. I lived on Washington Creek, joining the Poor Farm. You were young in the business then. I want to do some trucking this season and also raise some feed.

Yours respectfully,
J. P. JOHNSON.

CAULIFLOWER

Blumenkohl **Coliflor**

CULTURE. The same as for cabbage, except that it will pay to use extra manure and plenty of water for Cauliflower. If the soil is dry, water frequently, and if the plants have a heavy mulch of hay or straw, it would keep the soil moist, and the plants would not suffer from drouth. The early kinds should be strong enough to plant out not later than the middle of April; the late kinds may be planted out the same as Cabbage. One ounce of seed produces 1,500 plants; 15,000 plants will cover one acre.

EARLY DANISH SNOWBALL

EARLY DANISH SNOWBALL. This splendid Cauliflower is extremely early, heads with certainty and these heads are of high quality. The plant is dwarf, outer leaves are erect, while the inner leaves lap over the head, protecting it from the sun. It is the finest Cauliflower on the market, and we recommend it to the Market Gardeners especially.
Pkt. 15c; ¼-oz. 75c; oz. $2.00; ¼-lb. $5.00

EXTRA EARLY DWARF ERFURT, SELECTED. This is the choicest strain of the popular Erfurt type and noted for its extreme reliability in heading. Plants are very dwarf with solid, pure white heads of excellent quality. When planted in rich soil early in the spring heads 8 to 10 inches in diameter, can be marketed early in July.
Pkt. 25c; ¼-oz. 75c; oz. $2.00; ¼-lb. $5.00

VEITCH'S AUTUMN GIANT. A distinct and valuable late variety. The heads are very large; beautifully white, firm and compact, and being well protected by foliage, remain fit for use for a long time. The plants should be started and transplanted early in the season to insure their full development.
Pkt. 5c; ¼-oz. 25c; oz. 80c; ¼-lb. $2.25

EARLY PARIS. An excellent French variety, and very popular among the early sorts in the Paris markets. Heads are large, white, compact, solid, of excellent flavor, tender and delicious. Leaves large, stalk short.....Pkt. 5c; ¼-oz. 25c; oz. 80c; ¼-lb. $2.25

CELERY

Bleich-Sellerie **Apio**

CULTURE. For early celery sow in March or February, in hotbeds, in drills 4 to 6 inches apart and cover about ¼-inch deep. When fairly out of seed leaf transplant to another bed, thin out to 2 or 3 inches in the row, and leave growing until needed to plant outside. In April plant the field in rows 18 to 20 inches apart, and set six inches in the row. In planting press the ground around the plants, but do not let any earth get into the heart. The soil should be very rich and the plants should be earthed up several times during their growth. Celery needs more water than any other garden crop, and is liable to get soft if not watered sufficiently.

For winter use sow the seed in the latter part of April, or beginning of May, in beds, and transplant in the fields in July. If the roots are to be dug up and put in trenches to bleach, allow two feet between the rows, or if they are to bleach in the same place where grown, allow four feet. When cold weather sets in dig a trench in a high well-drained place, one foot wide, and of a depth of a few inches less than the height of the celery. Set your plants closely in it and cover gradually with straw or hay and earth as the weather gets colder. The top of the trench should be sloping so as to allow the water to run off. One ounce of seed produces 2,500 plants and it takes about 42,000 plants to set one acre if the rows are 2 feet apart.

GOLDEN SELF-BLANCHING. This is a beautiful plant of close habit, compact growth, and has straight and vigorous stalks. The ribs are perfectly solid, crisp and brittle. Its delicate flavor is surpassed by no other variety and moreover it has the decided merit of being self-blanching to a very remarkable degree. Our stock of this seed is selected with special care in France.

AMERICAN. Pkt. 5c; ½-oz. 20c; oz. 35c; ¼-lb. $1.50; lb. $4.00.

FRENCH. Pkt. 5c; ½-oz. 60c; oz. $1.10; ¼-lb. $4.00.

GIANT PASCAL. This is a green leaved variety. It bleaches very quickly after earthing up and is a beautiful yellowish white color, very solid and crisp, and of a sweet flavor which is not equaled by any other variety. The stalks grow broad and thick, a single plant making a large bunch. Under high cultivation this variety will give best satisfaction....Pkt. 5c; oz. 20c; ¼-lb. 60c; lb. $1.75

GOLDEN SELF-BLANCHING

BOSTON MARKET. The most popular variety in the market of Boston. It forms a cluster of heads instead of single one and is exceptionally tender and crisp. The best variety for light soils.
Pkt. 5c; oz. 15c; ¼-lb. 40c; lb. $1.50

CELERY—Continued

WHITE PLUME. This celery is valued because the stalks and portions of the inner leaves and heart are white; by simply tying up the stalks and drawing up the soil with the hoe, the work of blanching is completed. It is ornamental, tender, crisp and of good flavor and very early.
Pkt. 5c; oz. 20c; ¼-lb. 60c; lb. $2.00

DWARF GOLDEN HEART. Very popular and distinct variety. In habit of growth it resembles Half Dwarf, except when blanched the heart, which is large and full, is of a waxy golden yellow. It is entirely solid, of excellent flavor, and keeps well during the winter.....Pkt. 5c; oz. 15c; ¼-lb. 50c; lb. $1.50

HALF DWARF. When blanched it is of a yellowish white, making it very ornamental for the table; it is entirely solid, possessing the nutty flavor peculiar to the dwarf kinds, while it has much more vigor of growth, surpassing most of the large growing sorts in height of bunch grown under the same conditions.
Pkt. 5c; oz. 15c; ¼-lb. 50c; lb. $1.50

LARGE WHITE SOLID. Of tall growing habit and very handsome in appearance. A splendid pure white variety.
Pkt. 5c; oz. 15c; ¼-lb. 50c; lb. $1.50

CELERIAC

CELERIAC OR TURNIP-ROOTED CELERY

Grown exclusively for its roots, which are turnip shaped, very smooth, tender and marrow-like. The roots are cooked and sliced and eaten with vinegar. They make an excellent salad. Are used for seasoning meats and flavoring soups.
Pkt. 5c; oz. 20c; ¼-lb. 60c

CELERY FOR PROFIT. By Griener. Illustrated. Price 50c

CELERY PLANTS. We can supply them during June and July. If interested, write us. See page 50.

CHICORY

Cichorienwurzel **Achicoria**

LARGE ROOTED OR COFFEE. A hardy plant introduced from and much used in Europe as a substitute for coffee; large quantities of prepared roots are exported to this country. May be used to good advantage and pay large profit, and its culture is simple. In the fall the roots require to be taken up and cut into small pieces and put where they will dry, requiring the same treatment used for drying apples. When required for use they should be roasted and ground like coffee. Requires similar treatment as carrots.
Pkt. 5c; oz. 20c; ¼-lb. 60c; lb. $2.00

COLLARDS

GEORGIA SOUTHERN OR CREOLE. This is the variety so extensively used in the South, where it furnishes an abundance of food for both man and beast. Forms a large, loose, open head, or a mass of leaves on a tall stem. Freezing improves the quality.....Pkt. 5c; oz. 10c; ¼-lb. 30c

CHIVES

Schnittlauch **Ceholettas**

The Chives are small and not very important members of the onion tribe, quite hardy everywhere. The leaves are slender and appear very early in the spring, and may be cut several times during the season. They are propagated by seeds and by roots. The Chives make the very best border for beds in the vegetable garden, and are not only useful, but bearing pink flowers and a mass of golden leaves, are ornamental and are equal to the onion for flavoring soups and salads.
Pkt. 10c; oz. 60c; Roots 20c per bunch, 3 for 55c postpaid.

CORN SALAD

Stechsalat **Macha o Valerinailla**

BROAD LEAVED. Used as a small salad throughout the winter and spring. Sow thickly in drills, cover slightly at the beginning of autumn and sprinkle with straw on the approach of severe winter weather, or sow in a cold frame, covered in winter as may be convenient—thus is accessible even when the deep snow prevails.
Pkt. 5c; oz. 10c; ¼-lb. 25c

WATER CRESS

CRESS

Kresse **Berro**

Used as a small salad. Sow very thickly in shallow drills; cover on a smooth surface at short intervals throughout the season.....Pkt. 5c; oz. 10c; ¼-lb. 20c; lb. 50c

WATER CRESS

Brunnen Kresse **Berro de Fuente**

Is quite distinct from garden cress, and thrives only when its roots and stems are submerged in water. It is one of the most delicious of small salads and should be planted wherever a suitable place can be found.
Pkt. 5c; oz. 30c; ¼-lb. $1.00

POP CORN

WHITE PEARL. A common variety having smooth kernels.

WHITE RICE. A very handsome variety; kernels long, pointed, resembling rice. Very prolific, and fine for parching. Does not pop as large as Queen's Golden, but is more tender and better flavor.

QUEEN'S GOLDEN. Produces ears in great abundance on stalks nearly six feet high. It pops perfectly white. A single kernel will expand to nearly an inch in diameter.

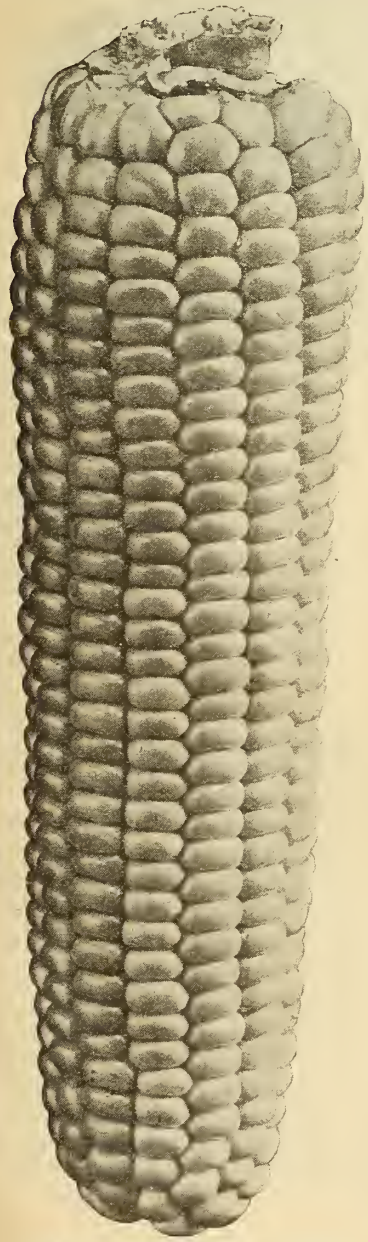
Prices for all varieties of pop corn:
Pkt. 5c; lb. 10c
Postage 5c per lb. extra.

SWEET CORN

Speise Mais **Mais Dulce**

Postage of 5 cents per pound must be added in ordering corn sent by mail. One pound is equal to over three-fourths quart.

CULTURE. All varieties of sweet corn may be sown either in rows four feet apart and the seeds planted about eight inches in the row, or planted in hills at a distance of three or four feet each way, according to the variety grown or the richness of the soil in which it is planted. Sweet Corn should not be planted deeper than one to one and a half inches, as it is liable to rot in the ground. Hoe often, drawing the earth against the stems and breaking off the side shoots. One pound to 275 hills. About one-fourth bushel will plant one acre in drills.



STOWELL'S EVERGREEN
(The Standard)

GOLDEN BANTAM is the most tender, sweetest, richest, and best evergreen Sweet Corn in existence. It produces strong, sturdy stalks, growing about four feet high. Is extremely hardy and can be grown from the Gulf to the Great Lakes. Each stalk produces three to four fine ears 5 to 6 inches long, having eight rows of sweet kernels. Golden Bantam is the quickest to mature and will give better and quicker results than any other sweet corn we know of. We have found it remarkably free of worms. Don't fail to have some of this splendid corn in your garden next year.
Pkt. 5c; Lb. 25c; 2 lbs. 45c; 10 lbs. $2.15

EXTRA EARLY ADAMS. This is not a true sweet corn, but on account of its hardiness and its round, hard grains it can be planted much earlier than the wrinkled sort sugar corn. The ears are well filled with tender white kernels. It is usually ready a week earlier than the Cory.....Pkt. 5c; lb. 15c; 2 lbs. 25c; 10 lbs. $1.00

WHITE MEXICAN. This new variety of recent introduction is 4 to 5 days earlier than the White Cob Cory and has all the delicious sweetness of Black Mexican.
Pkt. 5c; lb. 20c; 2 lbs. 35c; 10 lbs. $1.65

MAMMOTH WHITE CORY. The large extra early Sweet Corn. The ears are 12-rowed, white-cobbed, covered with very large white grains of good quality, and very much larger than the old Cory.....Pkt. 5c; lb. 20c; 2 lbs. 35c; 10 lbs. $1.65

WHITE COB CORY. Selected for white cob and white kernel from the original and earliest.
Pkt. 5c; lb. 20c; 2 lbs. 35c; 10 lbs. $1.65

EARLY MINNESOTA. This is among the earliest of the sugar varieties, and is much esteemed, not only because it matures earlier, but because of its excellent qualities as well. Ears rather small, long and pointed..... Pkt. 5c; lb. 20c; 2 lbs. 35c; 10 lbs. $1.60

EARLY EVERGREEN. Like Stowell's Evergreen, only ten days earlier. Ears large, about 18 inches long, 12 to 16-rowed, and having the identical flavor of the famous Stowell's Evergreen.
Pkt. 5c; lb. 25c; 2 lbs. 45c; 10 lbs. $2.15

BLACK MEXICAN. The sweetest and most desirable for family use. When dry the kernels are black.
Pkt. 5c; lb. 25c; 2 lbs. 40c; 10 lbs. $1.90

STOWELL'S EVERGREEN. This variety is more largely planted than any other, and is the general favorite with canners and market gardeners for late use. It is very productive, the ears are of large size, grains deep, exceptionally tender and sugary and remain for a long time in an edible condition.
Pkt. 5c; lb. 25c; 2 lbs. 45c; 10 lbs. $2.15

COUNTRY GENTLEMAN. The ears are not only of good size, but are produced in great abundance, one stalk frequently bearing four good ears while the average is three to a stalk. The cob is very small, giving great depth to the kernels, which are of pearly whiteness..Pkt. 5c; lb. 25c; 2 lbs. 45c; 10 lbs. $2 15

CUCUMBERS

Gurken Pepias

CULTURE. For early, sow seed in hotbed in small pots and plant out when danger of frost is over. They can be marketed with a gain of six or seven weeks over those sown in the open ground. For general crops drop in hills four to six feet apart, as soon as the weather is warm, ten to twelve seeds in a hill, cover half an inch deep and pat it down with the hoe. Hoe often, and when out of danger of insects, thin out to three or four plants to a hill. Middle of June to July 1st is the right time to sow for pickles. Pick fruits as soon as big enough to use or the productiveness will be injured. One ounce will plant about 50 hills. Two pounds to one acre.

DAVIS PERFECT

DAVIS PERFECT. This is one of the very best cucumbers grown, both for forcing and for out-of-doors. It is slim and symmetrical in shape and from 9 to 12 inches long and of a dark glossy, green color changing to white, without a streak of yellow, only when nearly ripe.
Pkt. 5c; oz. 10c; ¼-lb. 30c; lb. $1.00

IMPROVED LONG GREEN. This is unquestionably the most popular for general use. When matured is 9 to 12 inches long. Flesh is very solid, crisp and of delicate flavor. The skin is dark green and retains its color for a remarkably long time.
Pkt. 5c; oz. 10c; ¼-lb. 25c; lb. 75c

EARLY FRAME. Popular both for table and pickling purposes. Growth vigorous, vines very productive, fruit medium size.
Pkt. 5c; oz. 10c; ¼-lb. 25c; lb. 75c

EVERBEARING. This variety is of small size; very early, enormously productive, and valuable as a green pickle. Its peculiar merit however, is that the vines continue to flower and produce fruit until killed by frost, whether the cucumbers are picked off or not.....Pkt. 5c; oz. 10c; ¼-lb. 25c; lb. 75c

EARLY RUSSIAN. One of the earliest in cultivation, resembles the early frame, but is smaller and shorter.....Pkt. 5c; oz. 10c; ¼-lb. 25c; lb. 75c

EARLY GREEN CLUSTER. A very popular early cucumber, producing its fruit in small clusters near the root of the plant. Average length is about 5 inches, skin prickly, flesh white, seedy, tender and well flavored....Pkt. 5c; oz. 10c; ¼-lb. 25c; lb. 75c

ARLINGTON WHITE SPINE. This is the strain so popular around Chicago for growing under glass.
Pkt. 5c; oz. 10c; ¼-lb. 25c; lb. 75c

CHICAGO OR WESTERFIELD PICKLING. Very popular with Chicago market gardeners.
Pkt. 5c; oz. 10c; ¼-lb. 25c; lb. 75c

SHORT PROLIFIC. A very short variety of the "Frame" type. It is an abundant bearer, and is highly recommended for pickles, for which it is used extensively in New York State.
Pkt. 5c; oz. 10c; ¼-lb. 25c; lb. 75c

BOSTON PICKLING. The fruit abundantly borne, averages 4 to 5 inches in length and is of excellent quality.
Pkt. 5c; oz. 10c; ¼-lb. 25c; lb. 75c

COOL AND CRISP. A popular extremely early variety of the White Spine type. Very prolific and produces large numbers of medium-sized cucumbers, excellent for table use. The fruit is 6 to 8 inches long, distinctly tapering, with a dark skin thickly set with small knots.
Pkt. 5c; oz. 10c; ¼-lb. 25c; lb. 75c

EARLY WHITE SPINE. Vines vigorous, bearing early and abundantly. Fruit uniformly straight and handsome, dark green, with a few white spines. Flesh tender and of excellent flavor. Used extensively for forcing under glass.
Pkt. 5c; oz. 10c; ¼-lb. 25c; lb. 75c

EXTRA LONG WHITE SPINE. A selection of the White Spine. Is very uniform in size and exceedingly early, at the same time makes a long growth—10 to 12 inches.
Pkt. 5c; oz. 10c; ¼-lb. 25c; lb. 75c

EARLY WHITE SPINE

PARISIAN PICKLING. A decidely distinct variety used mostly for making French pickles.
Pkt. 5c; oz. 10c; ¼-lb. 30c; lb. $1.00

JAPANESE CLIMBING. While all cucumbers are running vines, this variety is much more so than others. It climbs quickly on poles or trellises and is entirely distinct. The quality is splendid and well adapted for pickling and salads. The greatest advantage of having a cucumber trained on a pole or fence is evident.
Pkt. 5c; oz. 10c; ¼-lb. 30c; lb. $1.00

WEST INDIA GHERKIN. The fruit is very small, almost round and closely covered with spines.
Pkt. 5c; oz. 20c; ¼-lb. 50c; lb. $1.50

FREE

BROOM HOLDER
TOWEL HOLDER

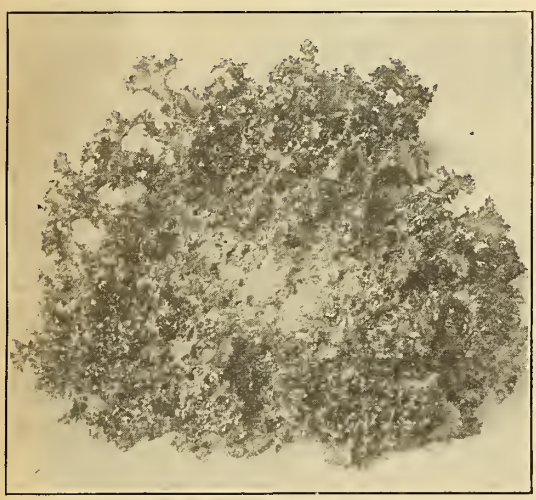
SEE PAGE TWO

ENDIVE

Endivien **Escaroly e Endibia**

Culture the same as lettuce.

A desirable salad. When bleached by exclusion of the sun, gather all the leaves and tie them for a couple of days. Open after a rain to give them a chance to dry out, as otherwise the leaves begin to rot. The inside will turn into a beautiful yellowish-green, making the plant very attractive for salads and garnishing.



GREEN CURLED ENDIVE

Varieties	Pkt.	Oz.	¼-lb.	Lb.
Green Curled, the hardy variety	5c	15c	40c	$1.25
Broad Leaved Batavian, very thick leaved	5c	15c	40c	1.25
Moss Curled, plants compact, large leaves, green and finely divided	5c	15c	40c	1.25

EGG PLANT

Eierpflanze **Berenjena**

CULTURE. Sow in hotbeds very early in the spring; thin them out as soon as big enough to be handled to 3 or 4 inches each way, and transplant to 2 or 3 feet apart in very rich warm ground. Do not plant them outside till nights are real warm, as the least frost will, if it does not kill them, check the growth, and it will take 2 or 3 weeks before they get over it. Hoe often and hill up gradually till they blossom. One ounce to 1,500 plants.

NEW YORK IMPROVED LARGE PURPLE SPINELESS. This variety has about superseded all others both for market and home garden; a favorite everywhere. Our stock is extra selected direct from the best growers in New Jersey.

Pkt. 5c; ¼-oz. 15c; oz. 30c; ¼-lb. $1.00

EARLY LONG PURPLE. This is the earliest variety; very hardy and productive; fruit long and of superior quality.

Pkt. 5c; ¼-oz. 10c; oz. 25c; ¼-lb. 75c

BLACK BEAUTY—See Novelties.

GARLIC

Knoblauch **Ajo**

The garlic is the most pungent of all the onion family. It is much used in the south of Europe. The root, or bulb, is composed of many small bulbs called "cloves," which are planted in the spring 6 to 8 inches apart, and in August the bulbs are ready to gather. Write for prices on large lots....Lb. 25c

HORSE RADISH

Meerrettig **Rabano Rustico**

Horse radish produces no seed, but is grown from pieces of the root.

CULTURE. Mark off rows 2½ feet apart in rich moist, well-prepared ground, and set the pieces of roots 18 inches apart in rows, vertically, the small end down. Cultivate thoroughly until the tops cover the ground, when their shade will keep down the weeds.

See page 8.

Small roots 20c per dozen; 85c per 100, postpaid. If wanted in quantity, ask for special prices.

KALE OR BORECOLE

Krauskohl oder Blatterkohl **Coi rizida**

DWARF GREEN GERMAN. Sow in the spring for "sprouts" or "greens". Hardy prolific, flavor similar to cabbage; desirable in every garden.

Pkt. 5c; oz. 10c; ¼-lb. 25c

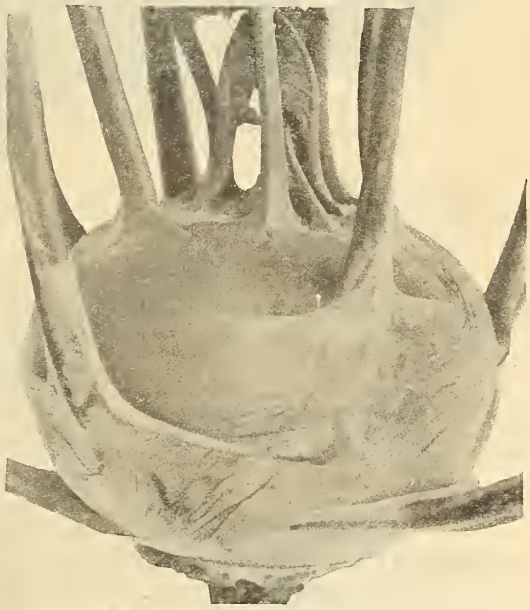
DWARF PURPLE GERMAN. A variety of the preceding, and identical with it, except in color, which is a beautiful deep purple

Pkt. 5c; oz. 10c; ¼-lb. 25c

TALL GREEN CURLED OR SCOTCH. This is one of the most popular varieties. It is very hardy and is much improved by frost. Two feet high.

Pkt. 5c; oz. 10c; ¼-lb. 25c

KOHL-RABI



CULTURE. Sow in the spring in row 38 inches, afterwards thin out to 8 or 10 inches in the row. The edible part is a turnip-shaped bulb, formed by the enlargement of the stem. When used for the table this should be cut when quite small as it is then very tender and delicate; but if allowed to reach its full size it becomes tough and stringy. One ounce will produce 2,000 plants.

Varieties	Pkt.	Oz.	¼-lb.
Early White Vienna. The earliest and best for forcing	5c	20c	50c
Early Purple Vienna. Both Vienna Kohl-rabis are very tender and excellent for table use	5c	20c	50c
White Giant. A good sort of Summer and Autumn	5c	10c	30c
Purple Giant. Differs from the preceding in color only	5c	10c	30c

LEEK

Porree oder Lauch **Puerro**

CULTURE. A hardy species of onion, sown in drills or broadcast. When 6 inches high transplant into rows a foot apart, setting the plants 4 or 5 inches deep and about 6 inches apart in the row. Used mostly in soups and stews. One ounce to 1,000 plants.

LARGE LONDON OR SCOTCH FLAG. This leek, aside from being valuable for soups and salads, when blanched, makes an excellent dish if sliced and cooked.....Pkt. 5c; oz. 15c; ¼-lb. 30c; lb. $1.00

LETTUCES

Salat Lechuga

CULTURE. Lettuce is grown under glass during the winter months and brings a fair profit. For general crops sow as soon as the ground is open, in drills fifteen to eighteen inches apart, and thin out to six or eight inches in the rows. As they do best when growing quickly, the soil should be rich and well worked. The seed may be sown every two weeks. If wanted as a cut salad, sow thickly in rows, or broadcast, and cut when needed. One ounce to 80 feet of drill; 4 pounds to an acre. One ounce to 3,000 plants.

MAY KING

EARLY AND FORCING VARIETIES

MAY KING. The best Butterhead lettuce for forcing, as well as early spring planting in the open ground. It is extremely hardy and therefore can be planted very early in the spring. It makes a quick growth, forming when mature, attractive heads measuring 10 to 20 inches across. The outside leaves are tightly folded, making the plant practically all head. It has a rich buttery flavor which is delicious. We recommend it particularly to Market Gardeners, as the tightly folded heads carry well, and will out-sell any other.
Pkt. 5c; oz. 10c; ¼-lb. 25c; lb. 75c

BIG BOSTON. This variety resembles the well known Boston Market but produces heads almost double the size and matures a week later. Endures hot weather exceedingly well.....Pkt. 5c; oz. 10c; ¼-lb. 25c; lb. 75c

WHITE SEEDED TENNIS BALL. One of the best varieties of headed cabbage lettuce for growing under glass. Very hardy, with thick, crisp, and tender leaves. Forms a compact head under glass, but unless planted very early is apt to be loose in the open air.....Pkt. 5c; oz. 10c; ¼-lb. 25c; lb. 75c

GRAND RAPIDS. For greenhouse forcing this variety has few equals. It is of quick growth, little liable to rot, and can stand some days after being cut. The plant is upright and forms a loose head or cluster of large yellowish-green leaves which are slightly crimped, blistered and rather thin. Is a good shipper.
Pkt. 5c; oz. 10c; ¼-lb. 25c; lb. 75c

LOOSE-HEAD OR CUTTING VARIETIES

The best of these is the Black Seeded Simpson. It produces even larger bunches of leaves than the popular Curled Silesian or Curled Simpson, and remains in good condition longer before running to seed. For late summer use, after the season for head lettuce is passed, we would especially recommend the Early Prizehead. This variety forms large, loose heads, with finely curled leaves, lightly tinged with brown. It grows to large size and will stand for a considerable time before running to seed.

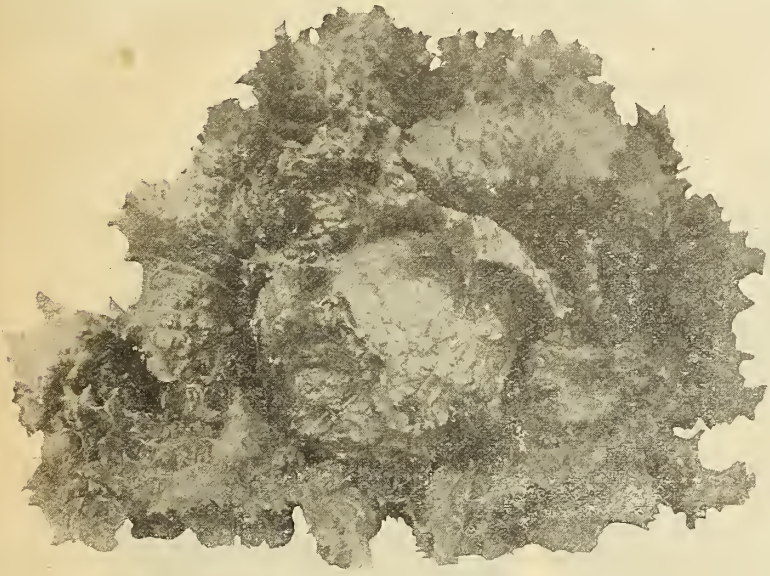
EARLY CURLED SIMPSON

Varieties	Pkt.	Oz.	¼-lb.	Lb.
Black Seeded Simpson. Good for forcing as well as outside culture.....	5c	10c	25c	75c
Early Curled Simpson. Highly recommended for general culture.....	5c	10c	25c	75c
Early Curled Silesian. The old favorite. Golden leaves with finely curled edges.....	5c	10c	25c	75c
Early Prizehead. Good variety, bright green, tinged with brownish red....	5c	10c	25c	75c

LETTUCES—Continued

Barteldes' Denver Market

It is an early variety of head lettuce either for forcing or open ground. It forms large solid heads of a good light green color and is very slow to seed. The leaves are beautifully marked and blistered, very crisp and tender and of excellent flavor. By these blistered leaves it distinguishes itself from any other kind of head lettuce now grown. Buy from us and get the true stock . . Pkt. 5c; oz. 10c; ¼-lb. 25c; lb. 75c



HANSON

Hanson

The heads are of a very large size, deliciously sweet, tender and crisp, even to the outer leaves; heads weigh 2½ to 3 pounds and measure 1½ feet in diameter. Color green outside and white within; free from any bitter, unpleasant taste. Not recommended for forcing, but has few superiors for family use. Pkt. 5c; oz. 10c; ¼-lb. 25c; lb. 75c.

EARLY CABBAGE OR DUTCH BUTTERHEAD. Produces the greenish-white, large heads of extra quality; remarkably tender and crisp, sure to head, of quick growth. It is one of the best for forcing and also for summer use, as it is slow to shoot seeds and resists heat well. Pkt. 5c; oz. 10c; ¼-lb. 25c; lb. 75c.

Lettuce—Iceberg

This remarkable sort belongs to the "Crisp Head Cabbage Lettuces" and is a decided acquisition. It forms a large solid head, the only outside leaves being of a light green color, while the inside is being bleached, and is almost white. It is quite as well adapted for planting in the summer as in the spring, as the hottest summer weather cannot cause the leaves to open outward and expose the heart. The usual solidity of heads makes it, in our opinion, the ideal summer lettuce, and we strongly recommend our customers to give this splendid variety a trial.....Pkt. 5c; oz. 10c; ¼-lb. 30c; lb. $1.00

All Seasons

All Seasons Lettuce is a distinct black-seeded variety forming splendid solid heads of a light silvery green color. These heads are large and will "stand" longer before going to seed than those of any other Butterhead variety. The leaves are of a rich yellow color, crisp, tender, and of mild flavor.
Pkt. 10c; oz. 15c; ¼-lb. 25c; lb. 75c

California Cream Butter

Heads large, round and of a beautiful appearance. The outer leaves are glossy green, marked with small brown spots; the inner leaves are of a rich color. Medium early, and makes a good sort for summer use. Quality is very good. Pkt. 5c; oz. 10c; ¼-lb. 25c; lb. 80c.

Paris White Cos

The Cos or Celery Lettuce is different from other variety in that it has narrow spoon-shaped eaves. These fold into heads and blanch better when the outer leaves are drawn up and tied.

The Paris White Cos forms large light green plants, well-folded and quite solid. The inner leaves are well-blanched and of a crisp, fine flavor. Pkt. 5c; oz. 10c; ¼-lb. 30c; lb. $1.00.

CALIFORNIA CREAM BUTTER

MUSK MELONS

Zucker Melonen **Melon almizelena o centalu**

CULTURE. The soil for Musk Melons must be light, rich and sandy, for if grown on a heavy soil the quality will be poor, and they will not be so early. When there is no danger of frost drop 8 to 10 seeds in hills 6 feet apart, each way, covering about three-fourths inch deep. As soon as a plant commences to run, thin out to 3 best plants in a hill and cultivate until the vines cover the ground. If slow to fruit, pinch off the ends of the growing shoots. Ash or air-slacked lime sifted on the young plants while the dew is on is good to keep insects out. One ounce will plant about sixty hills, and it takes 3 pounds to one acre.

GREEN-FLESHED VARIETIES

THE ROCKY FORD

This melon, grown first in Rocky Ford, Colorado, has n a few years acquired a national reputation. It is of the Netted Gem type, oval in shape, averaging from 4½ to 5 inches in length. It has a most delicious flavor, is very fine and smooth grained, has flesh of light green color throughout when ripe. Our seed comes from Rocky Ford where this melon is raised so extensively and from where carloads upon carloads are shipped out every season.....Pkt. 5c; oz. 10c; ¼-lb. 25c; lb. 80c

MONTREAL MARKET. This variety is nearly round, flattened at the ends, and very regularly ribbed; skin green, deeply netted; flesh remarkably thick, light green, melting, and of a delicious flavor. They are very regular in shape and uniformly grow to a very large size.
Pkt. 5c; oz. 10c; ¼-lb. 25c; lb. 75c

EXTRA EARLY CITRON. Earlier than any other cantaloupe, large, showy, and of fine flavor. This variety will also be found profitable by all market gardeners, and desirable also in the private garden until late varieties become fit for use.
Pkt. 5c; oz. 10c; ¼-lb. 25c; lb. 75c

NETTED GEM. Practically the same as the "Rocky Ford." It has become one of the most popular of small, or basket melons. The description of the Rocky Ford is also to be applied to this variety. We offer an exceptionally fine stock.
Pkt. 5c; oz. 10c; ¼-lb. 25c; lb. 75c

CASABA, OR LARGE PERSIAN. Long, oval-shaped, skin very thin and delicate; flesh extremely tender, rich and sweet.
Pkt. 5c; oz. 10c; ¼-lb. 25c; lb. 75c

BAY VIEW. A large, prolific and finely flavored green-fleshed melon. It is larger than the Casaba, but not quite so pointed at the ends. A very showy variety and of good quality.
Pkt. 5c; oz. 10c; ¼-lb. 25c; lb. 75c

THE HACKENSACK OR TURK'S CAP. The most popular variety of musk melon grown for market by gardeners in the vicinity of New York. It attains a large size, is round in shape, flattened at the ends; it is of most delicate flavor and wonderfully productive.
Pkt. 5c; oz. 10c; ¼-lb. 25c; lb. 75c

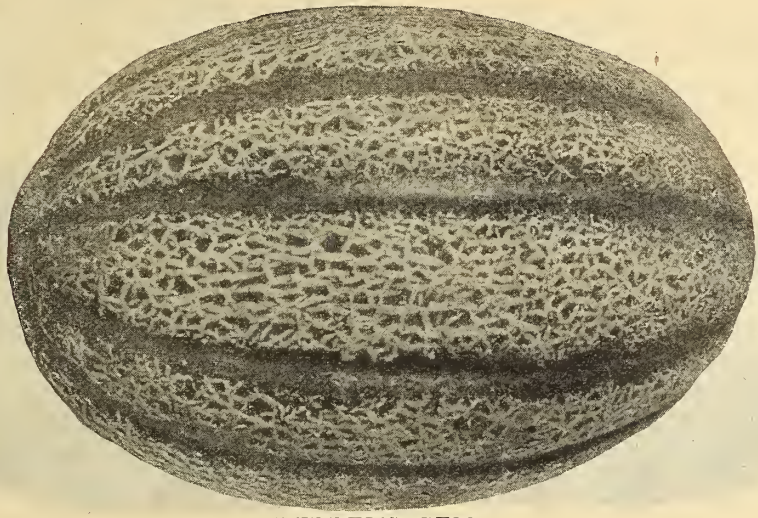
EXTRA EARLY HACKENSACK. By careful selection and improvement carried on for some years this strain has been developed so that it produces melons with all the good qualities of the well-known Hackensack Melon, but at least ten days earlier.
Pkt. 5c; oz. 10c; ¼-lb. 25c; lb. 75c

NETTED NUTMEG. We consider this the very best variety in cultivation. Vines vigorous, hardy, productive, fruit round, slightly flattened at both ends, ribbed, covered with coarse netting; flesh very thick, green and of the highest flavor.
Pkt. 5c; oz. 10c; ¼-lb. 25c; lb. 75c

If you buy in large quantities, write for Market Gardener's Price List.

MUSK MELONS—Continued

YELLOW-FLESHED VARIETIES



BURREL'S GEM

It was hard to beat the Rocky Ford, and yet it has been done. The new variety has a salmon flesh of unusual thickness and flavor that can hardly be surpassed. The flesh is 1½ to 2 inches thick, the rind is heavily netted, slightly ribbed, and very thin. The melons grow to an average size of six inches in length and 4½ inches in diameter, weigh about 2 pounds apiece.

They are ideal shipping melons, and notwithstanding the thin rind, have stood shipment from Colorado to New York in perfection. The Burrell Gem has brought more money in the open market than any other variety. A crate containing a dozen melons sold for one dollar in carload lots, and frequently a dozen melons are picked from one hill.

We recommend this new melon very highly and encourage extensive planting.

Pkt. 5c; oz. 10c; ¼-lb. 30c; lb. 80c

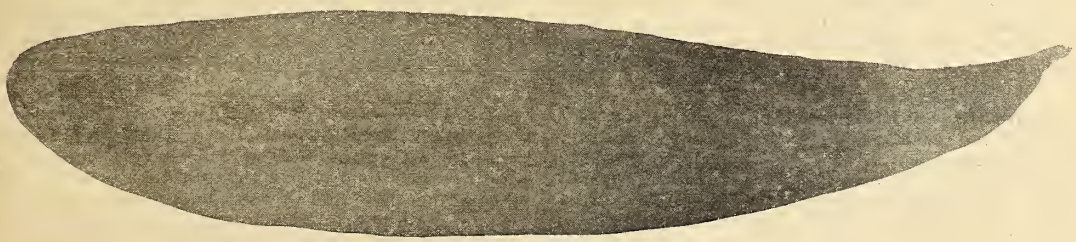
EMERALD GEM. This is a variety of excellent quality; it is of medium size. The skin is, while ribbed, perfectly smooth and of deep emerald green color, and ripens to the green rind. It is peculiarly crystalline in appearance, and so very juicy and rich that it almost drops to pieces when dipped out with a spoon. The flavor is very sweet and luscious. The vines are hardy and very prolific, and the melons mature extremely early.

Pkt. 5c; oz. 10c; ¼-lb. 25c; lb. 75c

OSAGE OR MILLER'S CREAM. The great popularity which this melon has attained is due mainly to its luscious spicy flavor and its perfect shipping qualities. The skin is very thin, and of a dark green color and slightly netted. The flesh is of a salmon color, remarkably sweet, extremely thick, and delicious to the rind. It is also very productive.....Pkt. 5c; oz. 10c; ¼-lb. 25c; lb. 75c

DEFENDER. A splendid variety. It is one of the very best yellow-fleshed sorts and in some respects is far superior to any of this class. The fruit is medium-sized, oval in shape, slightly ribbed, covered with gray netting. The flesh is firm, finely grained, and of a rich, deep yellow color. The flesh extends to the rind and retains its color hard and firm, so that one can remove the edible portion with a spoon, leaving a rind no thicker than that of an orange. The vine is vigorous and very productive, fruit, because of the hard, firm rind, keeps and bears shipment remarkably well. One of the most desirable of the yellow-fleshed sort, either for the home or the market garden.

Pkt. 5c; oz. 10c; ¼-lb. 25c; lb. 75c



BANANA MELON

BANANA. An entirely distinct variety, bearing long slender banana-like fruit. Flesh deep salmon color, thick and of good quality.

Pkt. 5c; oz. 15c; ¼-lb. 30c; lb. $1.00

PEACH OR GARDEN LEMON. The fruit is about the size of a large peach, oval-shaped and of a bright orange yellow color, somewhat russetted. When it first ripens it is quite hard and has very little flavor, but they soon become mellow, not sweet, and have a rich flavor, but for sweet pickles, pies, or preserving, they are superb.

Pkt. 5c; oz. 15c; ¼-lb. 45c; lb. $1.20

PAUL ROSE. A cross of Osage and Netted Gem, and best of the salmon, or red-fleshed sorts. Flesh unusually thick, firm and delicious; well-netted and fine for market..Pkt. 5c; oz. 10c; ¼-lb. 25c; lb. 75c

KHIVA OR WINTER MUSK MELON. Musk melon for Christmas dinner. You can have such and from your own garden, if you plant Khiva. It is the most delicately flavored winter keeping melon we have ever eaten. The skin is firm, with a grayish color, green slightly mottled. Is of egg shape and weighs 12 to 30 pounds. Not real delicious until November or later. They keep nicely until January.....Pkt. 10c; oz. 20c

WATER MELONS

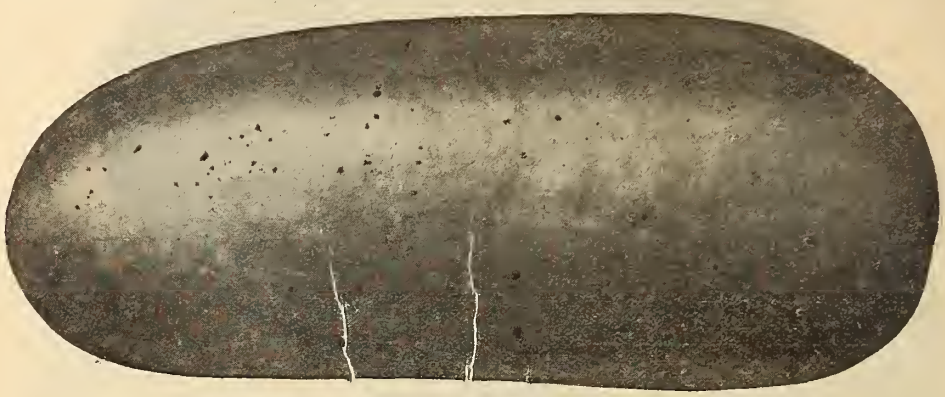
Wassermelonen **Sanhlos**

We grow Water Melons on a very large scale and are in a position to offer the very best seed at reduced prices.

Melon seed has been one of our specialties for years and we supply many of the leading seed houses of the country.

If you are in the market for a large quantity of melon seeds, be sure and ask us for special prices.

CULTURE. The same as for Musk Melon except that they should be planted from 8 to 10 feet apart. One ounce for 30 hills; 3 to 4 pounds to the acre.



TOM WATSON

TOM WATSON. In the last few years this melon has become immensely popular. The average size fruit of this variety reaches the size of 24 to 28 inches long and 12 to 14 inches in diameter. It has a dark mottled green rind, thin, but tough enough to stand shipping long distances. For the home or for the market garden or for shipping it is a money-maker for the growers. The seed we offer is of the very best strain.....Pkt. 5c; oz. 10c; ¼-lb. 30c; 1 lb. $1.00

HALBERT HONEY. Originally grown in Texas, it comes to us from the East, where owing to its superb qualities, it has won a reputation in an incredibly short time. The melons are oblong of form, symmetrically rounded at both ends. The skin is smooth, of dark green color, thin and rather brittle; on this account the melons do not stand shipping well. They are, however, the best melons for home use and nearby markets. The flesh is of a beautiful crimson color, of luscious flavor and entirely free from strings. Try Halbert Honey this year.....Pkt. 5c; oz. 10c; ¼-lb. 30c; lb. $1.00

ICING OR ICE RIND. Solid, always of good flavor, rind very thin. Unequaled in good qualities but not a good shipper. There are two types, light skined and dark skinned, but the light may be a few days earlier. In ordering please state which you prefer.....Pkt. 5c; oz. 10c; ¼-lb. 20c; lb. 60c

SWEETHEART. An excellent melon. Vine vigorous, productive, and ripens its fruit early. Fruit is large, oval, very heavy, uniformly mottled light and dark green. Rind thin but very firm. Flesh bright red, firm, solid, very tender, melting and sweet.....Pkt. 5c; oz. 10c; ¼-lb. 20c; lb. 60c

ALABAMA SWEET. A long melon with dark skin and red flesh. One of the first to come into market, is good grower and will bear longer than any other varieties. It has light seeds, is of good size though not ungainly, and is a first-class shipper. Raised extensively in Texas, where it brings extra prices.....Pkt. 5c; oz. 10c; ¼-lb. 20c; lb. 60c

DIXIE. This new and desirable variety of Southern origin is a cross between Kolb's Gem and the Mountain Sweet, having the tough rind and the long keeping qualities of the former, combined with the great productiveness, high flavor and freedom from stringiness of the latter. Color of the skin dark green, striped with a lighter shade, making it very attractive; rind thin, but tough; flesh bright scarlet, ripens closely to the rind.

Pkt. 5c; oz. 10c; ¼-lb. 20c; lb. 60c

GYPSY OR GEORGIA RATTLESNAKE. The melon is long, smooth, distinctly striped with light, mottled and wavy dark green stripes. Flesh bright scarlet, and very sugary. Notwithstanding its thin rind it will stand shipping well.

Pkt. 5c; oz. 10c; ¼-lb. 25c; lb. 80c

COLE'S EARLY. This is an extra early melon, maturing fully a week or more in advance of any other variety. The melons are oval in form, small in size and handsomely striped with light and dark green. The fruits are of good quality and it is a very desirable variety for localities where the season is short.....Pkt. 5c; oz. 10c; ¼-lb. 20c; lb. 60c

CUBAN QUEEN. A large and solid variety; rind very thin and strong; ripens very close to the rind; skin striped with light and dark green. Vines strong, healthy, and of vigorous growth; very heavy cropper, flesh bright red, tender, melting, luscious, crisp and very sugary. It is an excellent keeper, stands shipping well.

Pkt. 5c; oz. 10c; ¼-lb. 20c; lb. 60c

CITRON. For preserving. Rind striped and marbled with light green, flesh white and solid.

Pkt. 5c; oz. 10c; ¼-lb. 25c; lb. 75c

BLACK SPANISH. Round, very dark green, with scarlet flesh and black seeds. Has a very thin rind and a rich sugary flavor.

Pkt. 5c; oz. 10c; ¼-lb. 20c; lb. 60c

KOLB'S GEM

KOLB'S GEM. The vines are remarkably vigorous and healthy. Fruit of the largest size, round and slightly oval, marked with irregular mottled stripes of dark and very light green. Flesh bright red, extending to within half an inch of the rind; always solid, very firm, a little coarse, but sweet and tender. An excellent keeper and very good for shipping.
Pkt. 5c; oz. 10c; ¼-lb. 20c; lb. 60c

GRAY MONARCH. The skin is mottled gray color, shape long, flesh bright crimson, and of sweet, delicious flavor. One of the most productive and popular varieties.
Pkt. 5c; oz. 10c; ¼-lb. 20c; lb. 60c

ICEBERG. Similar to Kolb's Gem, but distinctly darker and the skin, where it rests on the ground, is rich yellow instead of white as in that variety. It has a very hard, firm, rind, and is a good shipper. The flesh is of deep coloring, very tender and sweet.
Pkt. 5c; oz. 10c; ¼-lb. 20c; lb. 60c

ICE CREAM. One of the best Watermelons, solid, always of good flavor, rind very thin.
Pkt. 5c; oz. 10c; ¼-lb. 20c; lb. 60c

JONES' JUMBO. The shape is round, color green, with faint lighter stripes; deep red meat, surpassing all other varieties in flavor. As a market melon it sells very rapidly and for high prices.
Pkt. 5c; oz. 10c; ¼-lb. 20c; lb. 60c

KENTUCKY WONDER. In shape it is oblong, skin dark green, marbled in stripes of light green. The flesh is of a beautiful scarlet color, crisp and of rich sugary flavor. It is always firm and never mealy. Attains an average weight of 30 to 40 pounds.....Pkt. 5c; oz. 10c; ¼-lb. 20c; lb. 60c

"KING AND QUEEN" WINTER WATERMELON. Average weight 25 pounds. Spherical in shape, ivory shell, pink center, seeds black. The most luscious, handsome and valuable winter melon in the world. It is very hardy, a good drouth-resister, and does well in any soil which grows melons; never sets an imperfect specimen on its vines, and ripens every melon in less than 120 days. It is a prize-taker everywhere. These melons have been shipped to market as late as December. Ripens on the vines the third week in August and does not change its condition for ninety days if not bruised. The shell is very hard and the melon ripens to within one-eighth of an inch of it.
Pkt. 5c; oz. 10c; ¼-lb. 30c; lb. $1.00

KLECKLEY SWEETS. This melon is dark green, the flesh is scarlet, ripening close to the skin, the rind being only about one-half inch in thickness. Seeds white, lying close to the rind, leaving a large, solid heart, which does not crack open when ripe. The scarlet flesh is sweet and sugary, and of such texture that it leaves no string of pulp whatever in eating.....Pkt. 5c; oz. 10c; ¼-lb. 30c; lb. $1.00

MAMMOTH IRONCLAD. This is one of the largest melons grown. It resembles the Striped Gypsy in color, but grows larger.
Pkt. 5c; oz. 10c; ¼-lb. 20c; lb. 60c

ROCKY FORD. Fruit is of large size, oblong in shape averaging eighteen to twenty inches in length to ten to twelve inches in diameter. The appearance is handsome, the flesh is a bright scarlet with a flavor which is superbly delicious. Unfortunately the skin is too tender to admit of shipping to any great distance, but its other excellent qualities make it the most desirable for home use and for selling in nearby markets.
Pkt. 5c; oz. 10c; ¼-lb. 30c; lb. $1.00

MOUNTAIN SWEET. Size large, flavor good, rind thick, dark in color, best for garden culture.
Pkt. 5c; oz. 10c; ¼-lb. 20c; lb. 60c

MOUNTAIN SPROUT. An early long striped melon, well suited to distant markets.
Pkt. 5c; oz. 10c; ¼-lb. 20c; lb. 60c

PHINNEY'S EARLY. A very early variety, medium and uniform size. The skin is smooth, with narrow white mottled and dark green stripes. Flesh light red, or pink, very sweet and delicious.
Pkt. 5c; oz. 10c; ¼-lb. 20c; lb. 60c

PRIDE OF GEORGIA. A much better table variety than the Kolb Gem, though not so good a shipper, owing to the exceeding thinness and tenderness of the rind..Pkt. 5c; oz. 10c; ¼-lb. 20c; lb. 60c

SEMINOLE. It is extra early, enormously productive, extra large and of most delicious flavor. It is of two distinct colors, gray and light green. The gray color predominates, about one-fourth of the melons being the light green color. Melons of both colors are found on the same vines.
Pkt. 5c; oz. 10c; ¼-lb. 20c; lb. 60c

TRIUMPH. Triumph is a cross between the Duke Jones and the Kolb's Gem, have the same handsome green color of the former and the fine shipping qualities of the latter, but infinitely superior in flavor and grows much larger than either.....Pkt. 5c; oz. 10c; ¼-lb. 20c; lb. 60c

KANSAS STOCK OR COLORADO PRESERVING MELON. A boon to the dry land farmer. This melon is grown extensively in Oklahoma, Western Kansas, and Eastern Colorado. It is immensely productive. The melons grow to a large size, some of them weighing as high as 60 to 70 pounds. The flesh is firm and solid with only very few seeds. The melons will keep all winter and can be fed to stock the same as turnips and beets. They grow on most any kind of soil, stand dry seasons very well and seem adapted to most climates.
Pkt. 5c; oz. 10c; ¼-lb. 20c; lb. 60c

FLORIDA FAVORITE. Oblong in shape, growing to a very large size, rind dark with light green stripes, flesh light crimson, crisp and deliciously sweet. One of our best sellers.
Pkt. 5c; oz. 10c; ¼-lb. 20c; lb. 60c

MUSHROOMS

Champignonbrut **Seta**

Mushrooms can be grown wherever there is a cellar or a close shed, in which an even temperature of from fifty sixty to degrees can be maintained and where a plentiful supply of fresh horse manure for making the beds can be obtained. You can have these delicious fungi, considered one of the finest delicacies, by getting good spawn from us and by following the directions given in our book, "How to Grow Mushrooms," price 10c, postpaid.

PURE CULTURE SPAWN

1 brick	$0.40
2 bricks	.70
4 bricks	1.30

With every order for four bricks, at mail prices, we shall be pleased to send the above mentioned book, "How to Grow Mushrooms," free of charge.

By express at purchaser's expense:

5 bricks	$1.20
10 bricks	2.15
25 bricks	4.80

MUSHROOMS

MUSTARD

Senf **Mustaza Negra**

SOUTHERN GIANT CURLED. The leaves are twice the size of the ordinary White Mustard and the flavor is sweet and pungent. Highly esteemed for salads, particularly in the South.
Pkt. 5c; oz. 10c; ¼-lb. 20c; lb. 60c

OSTRICH PLUME. The leaves are long, ruffled and curled like an ostrich plume, and for this reason the plant is very ornamental. It is especially good as a salad and is equal to spinach for greens.
Pkt. 5c; oz. 10c; ¼-lb. 20c; lb. 60c

CHINESE. This is a very hardy variety. The leaves are large, thick and somewhat crimped at the edges. Pkt. 5c; oz. 10c; ¼-lb. 20c; lb. 60c

BLACK OR BROWN. The common, small seeded variety. More pungent than the White.
Pkt. 5c; oz. 10c; ¼-lb. 15c; lb. 40c

WHITE ENGLISH. The leaves are light green, mild and tender when young. The seeds of a light yellow color. Pkt. 5c; oz. 10c; ¼-lb. 15c; lb. 40c

TALL OKRA

NASTURTIUMS

Kapuzinerkresse **Capuchina**

The seeds while young and succulent are pickled and used as capers. The plants are also highly ornamental; the tall variety makes an excellent screen or covering for unsightly places in the garden. Do not sow until the ground is warm.

	Pkt.	Oz.	¼-lb.
Tall Nasturtium	5c	15c	35c
Dwarf Nasturtium	5c	15c	40c

OKRA OR GUMBO

Safran **Quimbombo**

One ounce will plant 100 hills.

CULTURE. Sow late in the spring, after the ground has become warm, in drills 3 feet apart, and, when the plants are three inches high thin out from 10 to 12 inches. They should be well manured. They also can be started in a hotbed and transplanted afterwards. The young green seed pods of this plant are used in soups or stewed and served like asparagus. The young pods can also be dried for winter use.

EARLY DWARF PROLIFIC. Short podded and productive.
Pkt. 5c; oz. 10c; ¼-lb. 20c; lb. 50c

TALL. Grows to a height of five feet. Pods usually eight-ridged and about 6 inches long. Pkt. 5c; oz. 10c; ¼-lb. 20c; lb. 50c

WHITE VELVET. It is very distinct in appearance, and unlike other varieties the pod is not ridged but is perfectly smooth and round. They are of attractive appearance and superior flavor and tenderness. The plants are comparatively dwarf and of compact, branching growth; the pods are of extra large size and produced in great abundance.
Pkt. 5c; oz. 10c ¼-lb. 20c; lb. 60c

ONIONS

Zwiebeln **Cebollos**

We make a specialty of onion seed and handle it extensively. We grow a large portion of our seed ourselves and have it grown under our supervision. Our seed is grown from choice selected bulbs and can be relied upon. We make special prices to gardeners and others using seed in large quantities.

CULTURE. The onion thrives best in a rather deep, rich, loamy soil, unlike most vegetables, succeeds well when cultivated on the same ground for successive years. As early in the spring as the ground is in working order, commence operations by leveling the ground with a rake; sow thinly in rows a quarter of an inch deep and one foot apart; cover with fine soil and press down with the back of the spade or a light roller. When the young plants are strong enough, thin gradually so that they stand 3 to 4 inches apart. Keep the surface of the ground open and free from weeds by frequent hoeing, taking care not to stir the soil too deeply, or collect it about the growing bulb. When ripe, pull and dry thoroughly before storing. As maggots are the worst enemies of an onion patch, commercial fertilizers are better to use than manures, which originate maggots. One ounce to 100 feet of drill, 4 to 5 pounds to an acre.

AMERICAN YELLOW VARIETIES

SOUTHPORT YELLOW GLOBE. The true Southport Onions are very handsome Globes of superior quality. They are excellent keepers, uniform in size and form, and command higher market prices than any other kind. We highly recommend the Yellow Globe. It ripens a littler earlier than the red, grows to an average size of two to three inches in diameter and has all the good qualities mentioned above.

Pkt. 5c; oz. 20c; ¼-lb. 50c; lb. $1.50

PRIZETAKER. This handsome variety is a splendid type of the celebrated Spanish fancy onions, which are annually imported into the United States from Spain and sold by confectioners and fruiters in our large cities at from 25 to 50 cents each, and even higher. The onions grown here quite rival the imported ones in great beauty and enormous size. The outside skin is of a greenish yellow color, while the flesh is white, sweet and mild.

Pkt. 5c; oz. 20c; ¼-lb. 50c; lb. $1.50

YELLOW GLOBE DANVERS. A very excellent variety of globular shape; flesh white and of a mild flavor, skin brownish yellow. It is very productive and a good keeper.....Pkt. 5c; oz. 20c; ¼-lb. 50c; lb. $1.50

FLAT YELLOW DANVERS. Same as Globe Danvers, except in shape.....Pkt. 5c; oz. 20c; ¼-lb. 50c; lb. $1.50

AUSTRALIAN BROWN. This fine onion is extra large and sure to make a good crop. This onion is of special merit because of its excellent keeping qualities, bulbs remain in excellent condition until almost a year after they are harvested.

The advantage of this is easily seen, especially by the Southern growers. In shape and form they resemble somewhat the round Yellow Danvers, but the former are heavier in every case. The skin is quite thin and bright reddish brown, while the flesh is solid, crisp and mild.

Pkt. 5c; oz. 20c; ¼-lb. 50c; lb. $1.50

PRIZETAKER

ONIONS—Continued

AMERICAN WHITE VARIETIES

WHITE SILVERSKIN OR PORTUGAL. A mild, pleasant flavored variety, admirable for family use; not so good a keeper as the dark-skinned varieties.....Pkt. 5c; oz. 20c; ¼-lb. 70c; lb. $2.50

SOUTHPORT WHITE GLOBE. Yield abundantly, producing handsome and uniformly globe-shaped bulbs. The flesh is firm, fine grained and of fine flavor....Pkt. 5c; oz. 25c; ¼-lb. 80c; lb. $3.00

NEW HARDY WINTER ONION. This variety can be sowr in the fall, and will live over winter in the open ground, unprotected and will continue growing in the spring, when it will make handsome bunch onions from two to three weeks earlier than any onion sets. Think of this tremendous advantage! Besides saving you the trouble of planting onion sets this variety will be ready for market while your neighbors are waiting for their sets to get ready.

When fully grown the onions somewhat resemble the White Bermuda in shape, only growing much larger. The keeping quality of this variety is very remarkable; one of our growers showed us perfect specimens from September, which are still in excellent, faultless condition in August when we inspected them.
Pkt. 5c; oz. 30c; ¼-lb. $1.00

AMERICAN RED VARIETIES

SOUTHPORT RED GLOBE. A large globe-shaped onion, with small neck and rich red color, a splendid keeper and of extra fine quality. It matures a few days later than the Red Wethersfield.....Pkt. 5c; oz. 20c; ¼-lb. 50c; lb. $1.50

LARGE RED WETHERSFIELD. The old standard sort; best for main crop. Large, deep red, thick, nearly round, fine grained, of pleasant flavor and a good yielder. It ripens in September and keeps well.
Pkt. 5c; oz. 20c; ¼-lb. 50c; lb. $1.50

ITALIAN VARIETIES

Gigantic Gibraltar Onion

This comparatively new and little known variety is particularly adapted for growing in warm climates. In appearance it is very similar to the well-known "Prizetaker" Onion; will grow larger under favorable conditions. The handsome globular shaped bulbs have a light straw colored skin, while the flesh is white and very mild. The ripe onions are excellent keepers and surpass, in this respect, most of the other varieties, if properly handled. Experiments have shown that of onions harvested in August, fully 95 per cent were in fine marketable condition in January, free from split and rotting.

These onions are excellent for marketing purposes as well as home use. The growing crop withstands dry weather to a remarkable degree. Most highly recommended...Pkt. 10c; oz. 40c; ¼-lb. $1.25; lb. $4.00

GIANT ITALIAN TRIPOLI. A large, beautiful pure white onion of mild, excellent flavor. Will produce a somewhat larger onion from seed than our White Portugal, but to attain their full size the plant should be started very early in a hot bed and set out in rich soil..Pkt. 5c; oz. 25c; ¼-lb. 80c; lb. $3.00

EARLY WHITE QUEEN. Succeeds well everywhere. The bulbs are small, flat, beautifully white and of excellent flavor, but the principal recommendation is the marvelous rapidity of their growth. It will produce ripe onions in 100 to 110 days from date of sowing. Both the White Queen and the Extra Early Barletta are highly recommended for pickling purposes.
Pkt. 5c; oz. 25c; ¼-lb. 80c; lb. $3.00

MAMMOTH SILVER KING. We have imported seed of this truly mammoth variety. The onions are of attractive shape with silvery white skin and flesh of a most agreeable flavor. It reaches a larger size than any of the flat white varieties.
Pkt. 5c; oz. 25c; ¼-lb. 80c; lb. $3.00

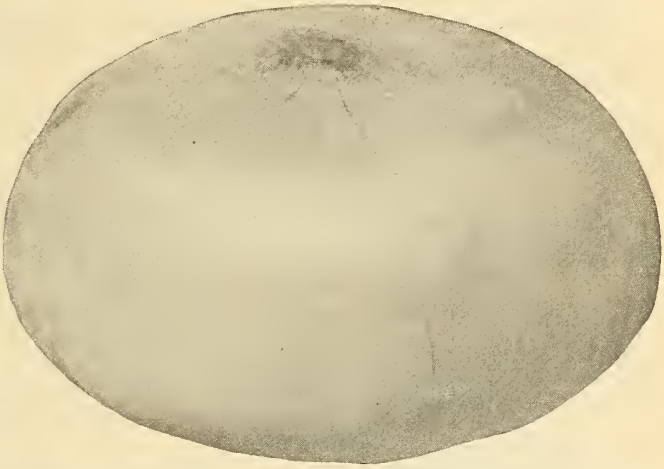
EL PASO. A variety from Mexico. It grows there to a diameter of 6 inches, weighing two-thirds of a pound, flavored very mildly. Our seed of this variety comes direct from Mexico. Skin of the onion generally white, but sometimes mixed with red and yellow.
Pkt. 5c; oz. 20c; ¼-lb. 60c; lb. $2.00

EXTRA EARLY BARLETTA. It is fully two or three weeks earlier than the Early White Queen, which heretofore has been the earliest variety under cultivation. The onions are of a pure paper-white color, very mild and delicate in flavor, from one inch to one and one-half inch in diameter and three-fourths of an inch i thickness.
Pkt. 5c; oz. 25c; ¼-lb. 80c; lb. $3.00

ONIONS—Continued

BERMUDA ONION SEED IMPORTED FROM TENERIFFE

In growing onions the quality of the seed is of greatest importance. Our seed is grown by the best grower in Teneriffe and is the best to be had.



WHITE BERMUDA. This valuable onion is especially adapted to the Southern States and is the most profitable of all varieties of onions for the grower. Ease of cultivation, large size and mildness of flavor make it the most valuable of this type. The White Bermuda is a selection from the original Red Bermuda, and preferred to all others by growers in the South. We offer seeds obtained direct from the Isle of Teneriffe, one of the Canary Isles, the home of the Bermuda onion.
Pkt. 5c; oz. 20c; ¼-lb. 60c; lb. $2.00

CRYSTAL WHITE WAX (Teneriffe Grown). This is a large, pure white, flat onion. In the South, especially Texas, during the last few years, it has become so popular that there has not been enough seed to meet the demand. It grows to good size early and is the mildest and sweetest of all onions. It is the finest slicing onion for the home garden. True seed very scarce....Pkt. 5c; oz. 25c; ¼-lb. 75c; lb. $2.50

ONION SETS—Steckzwiebeln

For prices per bushel please see our Pink List. Prices are subject to market fluctuations. We are always pleased to make special quotations on large lots. Thirty-two pounds constitute a bushel, except the Top or Button Sets which are twenty-eight pounds to the bushel.

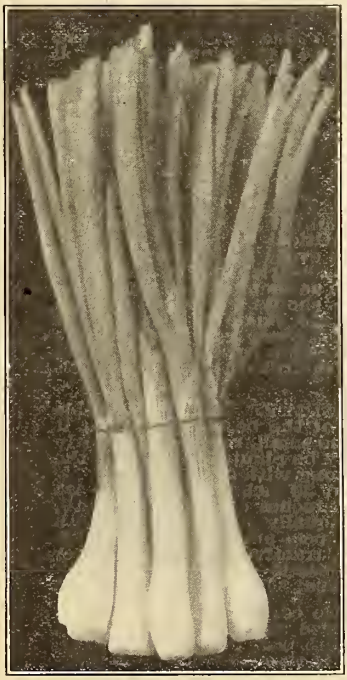
A pound of Onion Sets is equal to about a quart. When wanted by mail add 5 cents for one pound and regular parcels post rates for larger quantities.

RED BOTTOM. Produced by sowing thickly the seed of the large Red Wethersfield variety, and thinning out. They mature under this method when about half an inch through. They are used precisely as top onions and set them out in the spring instead of sowing seed.
Lb. 20c; ¼-bu. $1.25

YELLOW BOTTOM. Identical with the preceding except in color. They are used in the same manner and are produced from the seeds of the Yellow Danvers variety.
Lb. 20c; ¼-bu. $1.25

WHITE BOTTOM. The seed of the White Silver Skin or White Portugal variety is used to produce white sets. They do not keep as well as the red or yellow but produce beautiful white onions early in the season.
Lb. 20c; ¼-bu. $1.25

RED TOP OR BUTTON. Produce no seed but instead a small number of bulbs or onions about the size of acorns on top of the stock. These little bulbs are used instead of seed, and will produce a large onion, maturing much earlier than from the seed. The large onion produces the top onion and the little top onion produces the larger onion.
Lb. 20c; ¼-bu. $1.25



GROWN FROM SETS

WINTER TOP. These sets should be planted in the fall and make fine young onions for bunching very early in the spring. They are good for bunch onions only as they make no bulbs. When once established they come up year after year. The sets grow on top of the stalks.
For fall planting.

POTATO ONION. Produces a quantity of young bulbs on parent root, which should be planted early in the spring in rows 18 inches apart in the row, and covered one inch deep. They should be earthed up like potatoes as they continue to grow.
Lb. 20c; ¼-bu. $1.25

WHITE MULTIPLIER. These are of a pure silvery white color, enormously productive, frequently producing as many as 20 bulbs in a cluster from a single bulb plant. It is of excellent quality and size for bunching green, or can be ripened for use as pickling onions; for this latter purpose can be grown much more economically than from the seed. Their most important quality is extreme earliness, being ready for market from 3 to 4 weeks ahead of other onion sets..Lb. 20c; ¼-bu. $1.25

SHALLOTS. Used extensively in Germany. Valuable for an early crop. They grow in clusters; very productive and of a mild and sweet flavor.
Lb. 20c; ¼-bu. $1.25

PARSLEY

Petersilie — Perejil

CULTURE. Parsley succeeds best in rich, mellow soil. As the seeds germinate very slowly, 3 or 4 weeks elapse sometimes before it makes its appearance. It should be sown early in the spring, previously soaking the seeds for a few hours in tepid water. Sow thickly in rows a foot apart and half an inch deep. One ounce to 150 feet of drill.

DWARF PERFECTION. This new Parsley well deserves the name of perfection. It combines a highly decorative appearance with a fine delicate flavor and is very desirable for planting as a border around flower beds.

The plant, if properly transplanted and given space for development will form a symmetrical half-globe shaped bush from 6 to 8 inches high and about 10 inches across. The color is a delightful green and the leaves are attractively curled.

Pkt. 5c; oz. 10c; ¼-lb. 30c; lb. $1.00

CHAMPION MOSS CURLED. The green leaves are finely cut and curled, and of dark green color. Extra fine for garnishing and culinary purposes.

Pkt. 5c; oz. 10c; ¼-lb. 30c; lb. $1.00

HAMBURG TURNIP-ROOTED OR GERMAN PARSLEY. The root resembles a small parsnip and is the edible part of this sort; extensively used for flavoring soups.

Pkt. 5c; oz. 10c; ¼-lb. 30c; lb. $1.00

NEW EMERALD. The plants are dwarf and of compact growth. The leaves are of a handsome bright green color, and very finely crimped and curled. It is very ornamental and commands high prices in Western markets.

Pkt. 5c; oz. 10c; ¼-lb. 30c; lb. $1.00

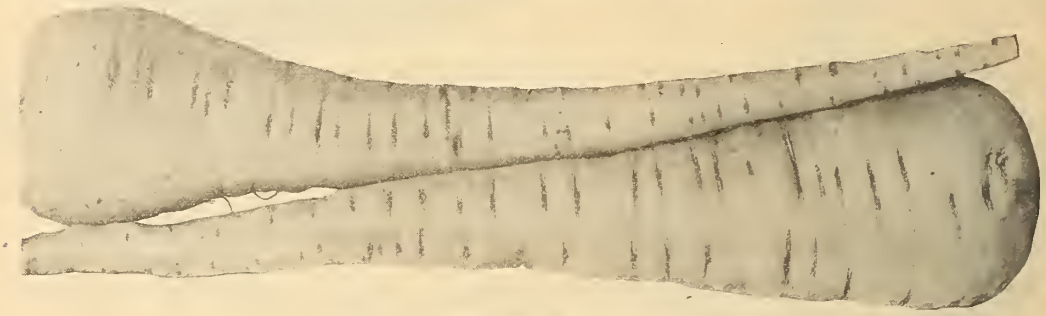
PLAIN LEAVED. This is the hardiest variety, foliage vary dark green, with plain leaves, having a strong parsley flavor and much preferred in French cooking.

Pkt. 5c; oz. 10c; ¼-lb. 30c; lb. $1.00

PARSNIPS

Pastinake — Chirivia

CULTURE. They do the best in deep rich sandy soil, but will make good roots on any soil which is deep and mellow and moderately rich. As the seed is slow to germinate, it should be sown as early as possible; cover ½-inch deep, and press the soil firmly over the seed; give frequent cultivation, and thin the plants 6 to 8 to the foot. As they are improved by frost, a part of the crop should be left in the ground for spring use. One ounce will sow 150 feet of drill, 5 pounds to an acre.



HOLLOW CROWNED OR SUGAR

HOLLOW-CROWNED OR SUGAR. The best for table use; a vegetable of merit, easily raised and of great productiveness.

Pkt. 5c; oz. 10c; ¼-lb. 20c; lb. 50c

IMPROVED GUERNSEY. Roots comparatively short, ending somewhat abruptly with a small tap root; grows with a cavity on the top or crown of the root.

Pkt. 5c; oz. 10c; ¼-lb. 20c; lb. 50c

MAGNUM BONUM. A very fine and greatly improved strain of the Hollow Crown, which we can recommend to all market gardeners as a money-maker. The roots are smooth, not so long as those of the standard sort, somewhat thicker in diameter and much more easily pulled. A heavy cropper.

Pkt. 5c; oz. 10c; ¼-lb. 20c; lb. 60c

PEAS

Arvejas — Erbsen

Postage on Peas is Extra. Five cents for one pound and regular parcels post rates for larger quantities.

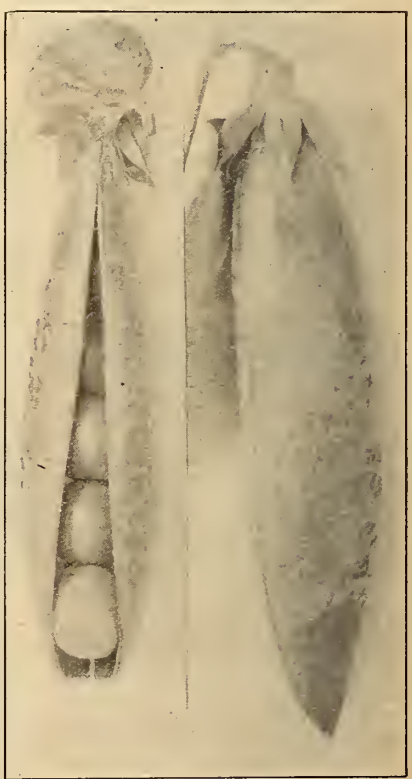
CULTURE. Peas can be grown in every garden, but for the earliest varieties a light, warm, moderate rich soil is most suitable. The smooth kinds can be sown as soon as the ground can be worked, but the wrinkled varieties should not be planted till it is warmer, or they will rot. Sow in single or double rows from 1½ to 3 feet apart, dropping a pea every inch and covering from 2 to 3 inches deep. For a succession sow every ten days up to July. Sow one quart to 50 feet drilled; 1½ to 2 bushels to an acre.

GRADUS OR PROSPERITY. This remarkable pea is not only large and of the best quality, but it is also nearly as early as the small, round, extra early sorts. It is hardy and may be planted as soon as the ground is fit to work in the spring, along with smooth peas.

The vine grows to a height of about 30 inches. The pods are of a light green color and measure 4 inches or more in length, being as large as Telephone and equally as well-filled with luscious peas—8 to 10 in a pod. The peas are of first-class table quality and retain their color and attractive appearance after cooking. It is a grand pea in all respects.

Large Pkt. 10c; lb. 20c; 2 lbs. 35c; 10 lbs. $1.50

ALASKA. A variety of remarkable earliness. It is a good yielder and produces pods of good size and dark green color, which are well filled with round, smooth peas of splendid flavor. The color of the dried pea is green. It ripens evenly; one picking will nearly clean off the crop. Advise market gardeners to give this variety a trial. . Pkt. 5c; lb. 15c; 2 lbs. 25c; 10 lbs. $1.00



EXTRA EARLY GRADUS

PEAS—Continued

EARLY SMOOTH VARIETIES

THE PIONEER. A new extra early variety. For illustration and description, see Novelties.

FIRST AND BEST. This is a reliable early cropper of the hardy smooth seed variety. Not quite as early as Alaska.....Pkt. 5c; lb. 20c; 2 lbs. 35c; 10 lbs. $1.25

TOM THUMB. Fine, bushy, growing to a height of 10 inches; foliage heavy; productive; matures in 36 days after sprouting.....Pkt. 5c; lb. 20c; 2 lbs. 35c; 10 lbs. $1.25

EARLY WRINKLED VARIETIES

NOTT'S EXCELSIOR. Robust and vigorous in growth, very prolific, producing a profusion of long handsome pods, closely packed with large peas of fine flavor. An improvement on American Wonder, being more vigorous and prolific with large pods with more peas than either the Wonder or Premium Gem. Seeds green, wrinkled, square at the ends like American Wonder. Height 12 inches.
Pkt. 5c; 1 lb. 20c; 2 lbs. 35c; 10 lbs. $1.25

PREMIUM GEM. An improvement on the Little Gem, being larger and more productive. Early in maturing, very luscious in flavor and highly recommended. Try it.
Pkt. 5c; 1 lb. 20c; 2 lbs. 35c; 10 lbs. $1.25

AMERICAN WONDER. The vine grows 8 to 10 inches high and is very prolific in pods of striking form and size. In maturing it is among the earliest, ripening in about 50 days from germination. It is among the first of the early green wrinkled sorts.....Pkt. 5c; 1 lb. 20c; 2 lbs. 35c; 10 lbs. $1.25

HORSFORD'S MARKET GARDEN. Very popular with the canners on account of its heavy yields. The vines are from 2 to 2½ feet tall and very uniform. Pods are of medium size but remarkably well filled with peas of fine flavor.....Pkt. 5c; 1 lb. 20c; 2 lbs. 35c; 10 lbs. $1.25

MAIN CROP VARIETIES

TELEPHONE. This variety is one of the finest branching, tall, wrinkled marrows yet introduced. It bears splendid peas of the finest quality and excellent, sugary flavor; vine very strong, averaging 18 to 20 pods per plant; the pods are of a large size and closely packed with from 8 to 10 large delicious peas.
Pkt. 5c; 1 lb. 20c; 2 lbs. 35c; 10 lbs. $1.25

DWARF CHAMPION. This is a dwarf-growing strain of the popular Champion of England, which for many years has been considered the Standard Pea for main crop and summer use. The stocky vines grow only two feet high and set large well-filled pods very freely. In warm soils and locations this dwarf type will give better results than the tall strain.
Pkt. 5c; 1 lb. 20c; 2 lbs. 35c; 10 lbs. $1.25

BLISS EVERBEARING. The vines attain a height of 2½ to 3 feet; foliage large; the pods will average 3 to 4 inches in length, each pod producing 6 to 8 wrinkled peas. These peas are very large, being half an inch and over in diameter, and in quality unsurpassed. For a continuance of bearing this variety is unexcelled.
Pkt. 5c; 1 lb. 20c; 2 lbs. 35c; 10 lbs. $1.25

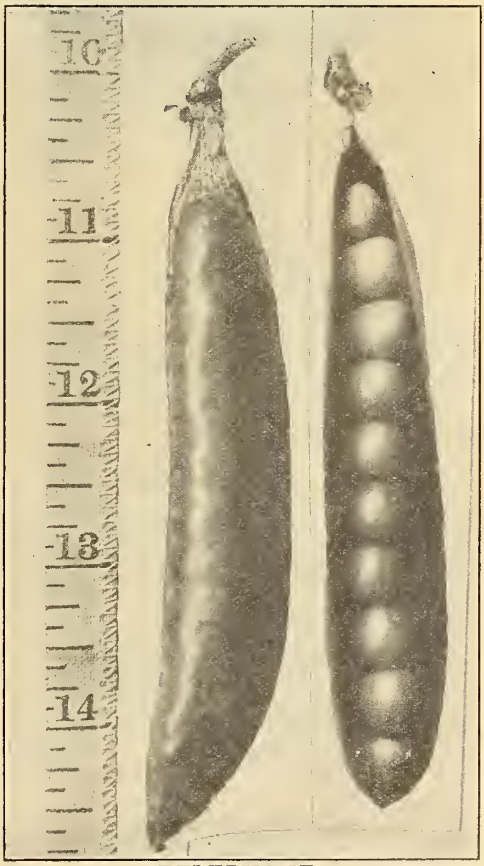
CHAMPION OF ENGLAND. A most popular and extremely productive second early pea, which has been valued for many years as the standard variety for summer use. Vines are of strong growth and very productive of large, well-filled pods. The flavor of the peas is delicious.
Pkt. 5c; 1 lb. 20c; 2 lbs. 35c; 10 lbs. $1.25

IMPROVED STRATAGEM. Seeds green, wrinkled; middle crop; one of the best peas ever sent out; grows vigorously and showing vine of branching habits; heavily laden with immense pods containing 10 to 12 peas of large size; height 1½ feet.
Pkt. 5c; 1 lb. 20c; 2 lbs. 35c; 10 lbs. $1.25

PRIDE OF THE MARKET. This famous New England Pea has given great satisfaction. It grows from 18 inches to 2 feet high and has grand pods, well-filled with large peas of excellent flavor. Its robust growth, enormous productiveness and superior appearance make it a favorite.....Pkt. 5c; 1 lb. 20c; 2 lbs. 35c; 10 lbs. $1.25

YORKSHIRE HERO. Maturing after the Premium Gem, but the vines are of a much stronger habit. It is hardy, productive, and of spuerior flavor.
Pkt. 5c; 1 lb. 20c; 2 lbs. 35c; 10 lbs. $1.25

If you buy in quantities ask for our Market Gardener's Price List.



TELEPHONE

PEAS—Continued

MARROWFATS AND SUGAR PEAS

BLACKEYE MARROWFAT. A very productive variety of strong growth, requiring much space. If grown in the garden brushwood or poles are necessary. Matures in 80 days after germination.
Pkt. 5c; 1 lb. 15c; 2 lbs. 25c; 10 lbs. $1.00

WHITE MARROWFAT. Very similar to the Blackeye Marrowfat, except that it does not have black eyes.....Pkt. 5c; 1 lb. 15c; 2 lbs. 25c; 10 lbs. $1.00

GRAY SUGAR. (Edible pods.) A splendid variety with edible pods. It grows medium high, and is remarkable for its prolific character. The pods are flat and crooked, and contain 5 to 6 peas.
Pkt. 5c; 1 lb. 25c; 2 lbs. 40c; 10 lbs. $.150

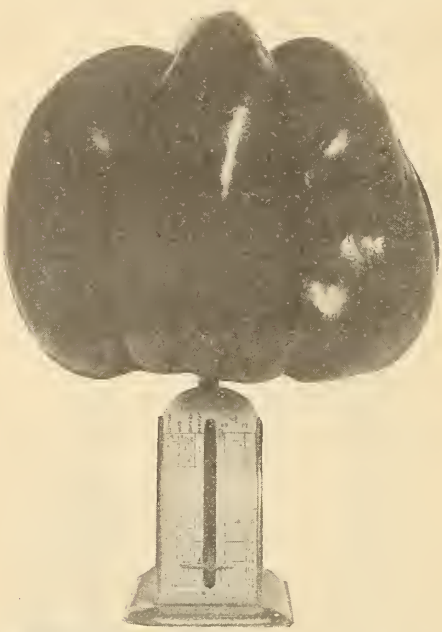
Note. If you are in need of peas in large quantities write us. We will make prices that will please you.

PEPPER

Pfeffer Pimiento

CULTURE. Peppers should be started in a hotbed in February or March, and not planted outside until the ground is warm, and there is no more danger of frost. Set the plants in rows 2 feet apart and 18 inches in the row. Hoe often and keep the weeds down. One ounce produces about 1,000 plants.

Some new peppers listed under Novelties.



CHINESE GIANT. One of the very best and largest mango Peppers ever introduced. Its mammoth size, splendid shape, beautifully rich, glossy-red flesh and mild flavor, all lead us to recommend it very highly. Its strong bushy plants are heavily loaded with large fruits, which are produced throughout the season. A very unusual variety worthy of the highest recommendation.
Pkt. 10c; ¼-oz. 15c; ½-oz. 25c; oz. 45c; ¼-lb. $1.25

NEAPOLITAN, LARGE EARLY. First brought to this country by a company of Italian market gardeners, this pepper has quickly pushed its way to the front, and is now on a fair way to become the principal shipping pepper of this country. It combines extreme earliness with a most prolific character, and is now the earliest large fruited pepper in cultivation. The first fruits are ready for market the last week in June.
Pkt. 10c; ¼-oz. 15c; ½-oz. 25c; oz. 45c; ¼-lb. $1.25

SWEET SPANISH. An excellent rather late variety. Very mild, thin-skinned and fruit rather long.....Pkt. 5c; oz. 25c; ¼-lb. 75c

PROCOPP'S GIANT OR ELEPHANT'S TRUNK. This variety produces large, long, thick-fleshed peppers of a brilliant scarlet color. The flesh is fully ½-inch thick and of a slightly pungent flavor.
Pkt. 5c; oz. 25c; ¼-lb. 75c

MONSTROUS OR MAMMOTH. Of cylindrical form, 6 inches long by 2½ inches in diameter. When ripe, the fruit is of a beautiful coral red, sweet and thick-fleshed.
Pkt. 5c; oz. 25c; ¼-lb. 75c

GOLDEN DAWN. It resembles the popular Bell Pepper in shape. It is of a most beautiful golden yellow color, and of a very handsome appearance, both in growth and upon the table.
Pkt. 5c; oz. 25c; ¼-lb. 75c

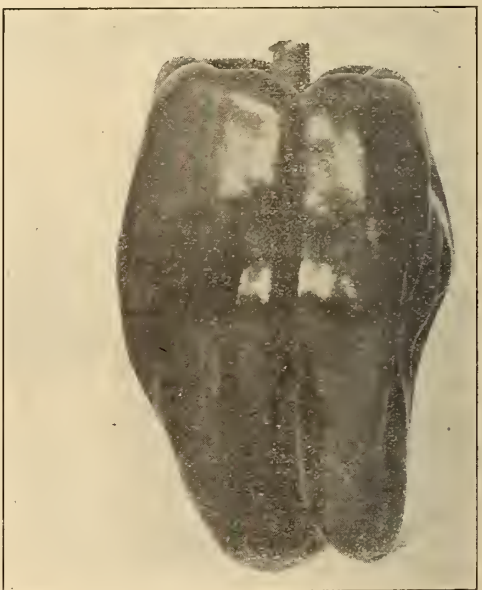
LONG RED CAYENNE. This fruit is a brilliant coral red, conical, and from 2 to 3 inches long and from ¾ to 1-inch thick. Very pungent.
Pkt. 5c; oz. 20c; ¼-lb. 75c

CELESTIAL. This pepper has two uses, being both ornamental and edible. The profusely bearing plants produce fruits of constantly changing color. When young they are a creamy yellow and as they mature they become a vivid scarlet. The bushes are an ornament to any garden and the peppers are fine for pickling.....Pkt. 5c; oz. 20c; ¼-lb. 75c

SMALL RED CHILLI. Fruit about 2 inches long and 2-5 of an inch in diameter; red and very hot.
Pkt. 5c; oz. 20c; ¼-lb. 75c

LARGE RED CHILLI. This pepper is slightly larger than the preceding, being 3 inches long and 1-inch thick. The fruit is bright red, very hot and fiery, and ripens early. It is used for making the famous Mexican chilli..Pkt. 5c; oz. 20c; ¼-lb. 75c

LARGE BELL OR BULL NOSE. A very large pepper of square shape, mild, thick and hard. Suitable for stuffing and for mixing pickles. It is less pungent than other sorts, and notwithstanding its size, is one of the earliest.
Pkt. 5c; oz. 25c; ¼-lb. 75c



RUBY KING. Fruit of a bright red color, 6 to 7 inches long by about 4 inches through. They are remarkably pleasant and mild in flavor and can be eaten sliced with vinegar, like tomatoes. The best for making mangoes.
Pkt. 5c; oz. 25c; ¼-lb. 75c

POTATOES

Kartoffeln **Patates**

If wanted by mail 15c per pound, postpaid. We use extra packing for small shipments.

Standard weights of Irish Potatoes 60 pounds per bushel. Please state in case stock of variety ordered is exhausted if we shall return the money or substitute an equal value of some near variety. **We make special prices on large lots.** Write us.

Our potatoes are grown by experienced men, who make a specialty of potatoes for seed. You can depend on our stock. It is usually cheaper to have potatoes shipped in bags on account of both the cost of the barrel and the greater weight. We will ship potatoes whenever directed, or use our best judgment but in no case will we be responsible for delay or damage in transit.

CULTURE. Potatoes can be grown in any soil provided it is well drained, but if grown on sandy, rich soil they will be of better quality than if planted on clay soil. The sets should be planted from 3 to 4 inches deep, according to the time of planting, in rows 3 feet apart and 16 to 18 inches in the rows. If planted 1½ feet by 3 feet there will be about 9,700 hills in one acre, and it will take between 600 and 700 pounds, according to the size of the sets to plant it. At 3 by 3 feet one-half the quantity is sufficient.

EARLY OHIO

TRIUMPH. Red River Stock. This beautiful variety combines the wonderful productiveness of the Peerless with all the good qualities of the Early Rose. Tubers are medium size, round and uniform in shape, with but few small ones; eyes slightly depressed; color a beautiful light red. Its beauty, productiveness and good qualities in general make it one of the best early market varieties, especially for the South, from whence it is shipped to Northern markets, bringing highest prices on account of its appearance.

IRISH COBBLER. One of the most popular of the early varieties. Its excellent quality, together with its cream-white color, makes it fine for the best trade. It is a vigorous grower, a good keeper and ripens uniformly.

EARLY SIX WEEKS. Earliest potato in existence and most valuable for market gardeners. A great beauty. Perfect table potato and a wonderful yielder. Ready for market in six weeks, matures in 72 days, two weeks ahead of any other variety, and has yielded as high as 400 bushels to the acre.

EARLY OHIO. Northern grown, Red River stock. Extra early, and one of the best, if not the best, for the Western states. It is fit for table use before fully ripe, and can be shipped earlier than any other variety.

EARLY OHIO. Kaw Valley stock.

BURBANK. A large, long, white potato of excellent quality. Fine for main crop and a splendid keeper. One of the first introductions of the famous Wizard.

RURAL NEW YORKER No. 2. The standard white market potato. It is very large, usually smooth, oblong, inclining to round, and rather flattened. Skin and flesh white; quality excellent; season intermediate. Tubers of great uniformity in size; almost every one marketable.

NORTHERN EARLY ROSE. A popular standard potato noted for earliness, productiveness and fine quality.

FOR PRICES PLEASE SEE OUR PINK LIST

SWEET POTATOES

CULTURE. Sweet potatoes should be started in a hotbed. When the ground is warm and the danger of frost is past the shoots are carefully lifted and planted in rows three feet apart and eighteen inches in the row. They need considerable care till well started, but after getting a good start will grow easily. They should be cultivated quite often, moving the vines to prevent from rooting at the joints. They must be harvested before frost.

One bushel makes 2,000 to 3,000 plants. Three to four bushels to the acre.

To insure prompt filling of orders for sweet potatoes they must be engaged ahead. Standard weight of sweet potatoes 50 pounds per bushel; 125 pounds per barrel.

PLEASE NOTE

We use extra care in packing Sweet Potatoes and every precaution as to the time of shipping, but owing to the extreme tenderness of Sweet Potatoes it is impossible for us to guarantee safe arrival of Sweet Potatoes or Sweet Potato Plants.

PUMPKIN YAM

BRADLEY YAMS. Here is the most popular Sweet Potato grown in Oklahoma and Texas. It out-yielded every other sort in the past season. Tubers are uniform in shape and size. The average specimen measures from six to seven inches in circumference. They are of a golden russet yellow color and can be easily distinguished from other sorts.....Peck 75c; bu. $2.75

PUMPKIN YAMS. An old and reliable Texas variety. Extra good size, medium early and very prolific. The tubers are short and thick and the flesh is of a rich yellow color. Vines are vigorous and hills contain from 8 to 10 fine tubers.....Peck 75c; bu. $2.75

YELLOW JERSEY. A very popular variety of fine quality. The flesh is of a bright golden yellow color. Tubers are of long shape and good keepers.....Peck 60c; bu. $1.75

SWEET POTATO PLANTS

We will have plants of the above varieties about May 1st. **ASK FOR PRICES.**

PUMPKINS

Kurbisse Calabaza

CULTURE. Pumpkins require the same general culture as melons and squashes. As the plants require much space and as they readily mix with cucumbers, melons, etc., they are not very suitable for the home garden. The common practice, and a good one, is to plant the seeds in the cornfield, either in hills or between the rows, after the last cultivation. One ounce of seed to thirty hills; 4 pounds to an acre.

CONNECTICUT FIELD PUMPKIN

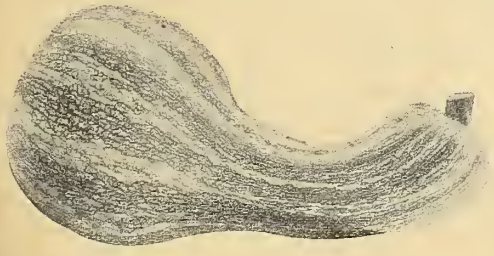
CONNECTICUT FIELD OR BIG TOM. The well-known old Connecticut variety. Grows well among corn; varies in shape. Excellent for feeding dairy stock.....Pkt. 5c; oz. 10c; ¼-lb. 15c; lb. 40c

KENTUCKY FIELD. A large variety, producing pumpkins in abundance. Has thick meat of fine quality. Very suitable for canner's use.
Pkt. 5c; oz. 10c; ¼-lb. 15c; lb. 40c

MAMMOTH TOURS. A French variety which grows to an immense size, often weighing over 100 pounds.....Pkt. 5c; oz. 10c; ¼-lb. 25c; lb. 80c

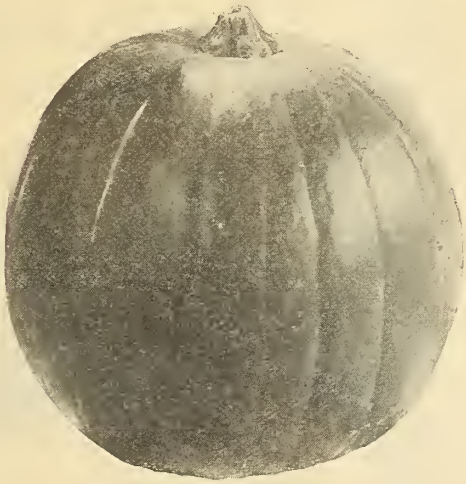
KING OF MAMMOTH OR GENUINE MAMMOTH. The flesh and skin are of a bright golden yellow. Flesh fine grained and of excellent quality. Notwithstanding its enormous size, it is one of the very best pie pumpkins ever grown, and a splendid keeper. This enormous variety has been grown to weigh over 200 pounds.
Pkt. 5c; oz. 10c; ¼-lb. 30c; lb. $1.00

TENNESSEE SWEET POTATO. A good variety for making pies and other cooking purposes. It is of medium size, of a creamy white color, and has an excellent flavor; good keeper.
Pkt. 5c; oz. 10c; ¼-lb. 25c; lb. 80c



CUSHAW OR CROOKNECK. A French variety liked by many. Has yellow flesh, solid and sweet.
Pkt. 5c; oz. 10c; ¼-lb. 30c; lb. $1.00

LARGE CHEESE. A popular variety in the South. Fruit flattened, the diameter being 2 or 3 times more than the length. Skin mottled light green and yellow, changing to rich cream color as it matures; flesh tender and of excellent quality.
Pkt. 5c; oz. 10c; ¼-lb. 20c; lb. 60c



SMALL SUGAR

SMALL SUGAR. Smaller than the field pumpkin, but finer grained, sweeter, and very prolific; first rate for the table or stock. The best variety for making pies..Pkt. 5c; oz. 10c; ¼-lb. 20c; lb. 60c

JAPANESE PIE. The flesh is very thick, nearly solid; the seed cavity being very small in one end of the pumpkin; fine grained, dry and sweet, having much the taste and appearance of sweet potatoes. They ripen early, keep well, and are fine for home use. The seeds have peculiar marks resembling charaoters of the Chinese alphabet.
Pkt. 5o: oz. 10c; ¼-lb. 25c; lb. 80c

RADISHES

Radieschen **Rabanitos**

CULTURE. Sow as early in the spring as the ground can be worked, and every two weeks throughout the season for a succession of crops. A warm sandy loam, made rich and light by some good, strong manure, which is thoroughly rotted will be most likely to afford them free of worms and brittle. During summer months use the summer or winter varieties, as the early kind get pithy. Winter Radishes can be wintered over as easily as any root crop and furnish an acceptable relish. One ounce to 100 feet of drill; 10 pounds to an acre.

EARLY ROUND VARIETIES

CRIMSON GIANT GLOBE. This new radish is an entirely new type, and differs radically from all the varieties hitherto in cultivation, in so far that its roots attain more than double the size of those of other forcing varieties without getting pithy or hollow. This giant radish develops roots 6 to 8 inches in circumference and over an ounce in weight, their pure white flesh remaining firm and crisp, and of mildest flavor. Notwithstanding the extraordinary size and weight of its bulbs, it is second to none as a forcing variety. It's equally well adapted to outside culture. The seeds should be sown very thinly to permit full development of the roots. Pkt. 5c; oz. 10c; ¼-lb. 30c; lb. 90c.

CRIMSON GIANT GLOBE

NON-PLUS ULTRA. By far the smallest-topped and earliest forcing radish in cultivation. Roots small, round, deep red, with very crisp, tender white flesh. This is the very best variety for forcing, as it will mature in 18 to 21 days and the tops are so small that a large number can be grown in a single bed.
Pkt. 5c; oz. 10c; ¼-lb. 20c; lb. 65c

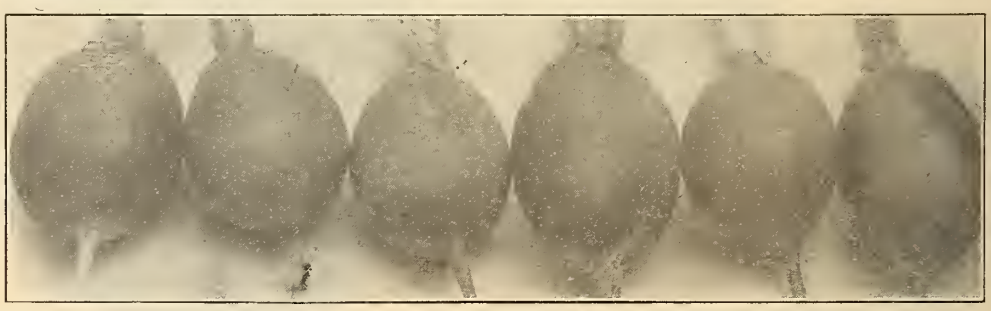
ROSY GEM. One of the earliest varieties in cultivation. It is of perfectly globular shape, of rich color, being deep scarlet on top, blending to pure white at the bottom. The radishes are exceedingly tender and crisp and delicious. Desirable for growing under glass as well as in the open ground.
Pkt. 5c; oz. 10c; ¼-lb. 25c; lb. 75c.

EARLY ERFURT DARK, ROUND RED OR DEEP SCARLET TURNIP. This is a splendid strain of the small extra early, round radish; it is ready for use in 18 to 20 days after sowing. The radishes are very attractive, tender and mild flavor. The tops are small, hence it is an excellent variety for growing under glass.
Pkt. 5c; oz. 10c; ¼-lb. 25c; lb. 75c.

EARLY SCARLET TURNIP. A small, round, red turnip-shaped radish, with a small top, and of very quick growth.
Pkt. 5c; oz. 10c; ¼-lb. 20c; lb. 60c.

EARLY WHITE TURNIP. Both skin and flesh are white. It is a few days later than the scarlet turnip, and will bear heat, without becoming pithy.
Pkt. 5c; oz. 10c; ¼-lb. 20c; lb. 60c

SCARLET TURNIP, WHITE-TIPPED. A beautiful variety, deep scarlet with white tip. It is very ornamental for table use, and is becoming very popular as a market variety. It is of the same size and the shape as the scarlet turnip variety..... Pkt. 5c; oz. 10c; ¼-lb. 20c; lb. 60c



EARLY SCARLET GLOBE. This variety makes roots fit to pull as early as Non-Plus-Ultra, but they are much larger whenfull size, and for this reason are very popular in some markets. Roots round or slightly oval-shaped; color rich, deep scarlet, flesh white and tender..... Pkt. 5c; oz. 10c; ¼-lb. 20c; lb. 60c

OLIVE-SHAPED VARIETIES

FRENCH BREAKFAST. A medium-sized radish with small top. Quick growth and very crisp and tender..... Pkt. 5c; oz. 10c; ¼-lb. 20c; lb. 60c

EARLY SCARLET OLIVE-SHAPED. Very early and handsome. Lively rose color, oblong-shaped, top very small..... Pkt. 5c; oz. 10c; ¼-lb. 20c; lb. 60c

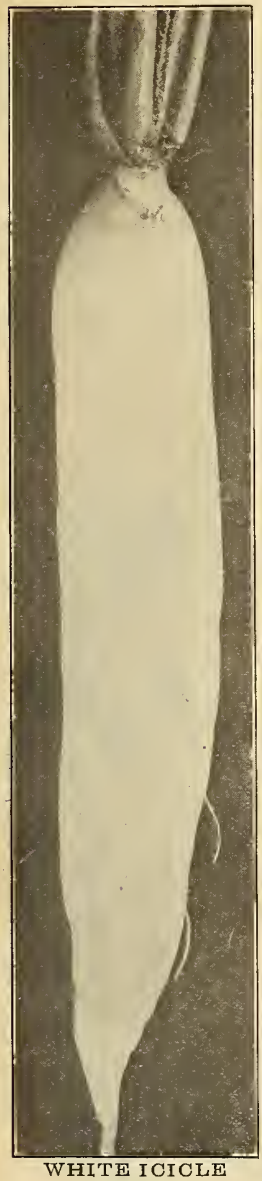
CINCINNATI MARKET. An improved Long Scarlet Short Top, the roots being more perfect in shape, and excellent for forcing..... Pkt. 5c; oz. 10c ¼-lb. 20c; lb. 65c

SUMMER VARIETIES

All of the following varieties attain a larger size than do any of the earlier radishes. While not ready for the market quite so early they remain in fine condition longer without becoming pithy.

Varieties	Pkt.	Oz.	¼-lb.	Lb.
Chartiers or Shepherd. Long Scarlet tipped with white	5c	10c	20c	60c
Giant White Stuttgart. Very large, excellent quality	5c	10c	25c	70c
White Strasburg. Will stand summer heat admirably	5c	10c	25c	70c
Long White Vienna or Lady Finger. A rapid grower of fine shape	5c	10c	20c	60c
Yellow Summer Turnip. A general favorite with market gardeners	5c	10c	20c	60c

RADISHES—Continued



WHITE ICICLE

LONG VARIETIES

White Delicious. See Novelties.

BARTELDES GLASS RADISH. The radish comes from the same gardener in Denver who originated the Denver Market Lettuce, and is a fine acquisition. It is a long radish of light pink color, white-tipped, of uniform size. The flesh is transparent white, always crisp and brittle, even if grown to a large size, and mild flavored. It was named "Glass Radish" on account of the fine transparency of the flesh.
Pkt. 5c; oz. 10c; ¼-lb. 25c; lb. 75c

HALF LONG DEEP SCARLET. The roots of this hardy and desirable variety are of a very brilliant, deep red rich color, and half-long, with somewhat tapering points, the flesh is very white, crisp and tender, and holds its juiciness very well not becoming pithy until overgrown.
Pkt. 5c; oz. 10c; ¼-lb. 20c; lb. 60c

EARLY SCARLET SHORT TOP. Is undoubtedly the best standard variety for private garden and market use. It grows 6 or 7 inches long, half out of the ground. It is very brittle and crisp and of quick growth. Color, bright scarlet, small top, tapers regularly to the root, and is uniformly straight and smooth.....Pkt. 5c; oz. 10c; ¼-lb. 20c; lb. 60c

WHITE ICICLE. (Eizapfen.) An entirely distinct long slender, pure white variety. It is without doubt the earliest and finest long white Radish in existence. Ready for use fully as early as Long Scarlet Top, with less foliage, rendering it most desirable for forcing. In the open ground the roots continue brittle, crisp and mild until they are fully as large as those of the Long Bright Scarlet. The Icicle is perhaps superior to the finest long red ones. Roots 4 inches in length and half an inch in diameter; they retain their crispness and fresh, mild flavor until fully 6 inches long and an inch in diameter.
Pkt. 5c; oz. 10c; ¼-lb. 20c; lb. 65c

LONG BRIGHT SCARLET OR CARDINAL. Extra early, the roots being fit for use about 25 days after sowing; very bright color; quite unique; being the most fiery scarlet in any kind of radish. It is very slightly tipped with white, and the flesh is crisp and tender.
Pkt. 5c; oz. 10c; ¼-lb. 20c; lb. 60c

WOOD'S EARLY FAME. Of the "Long Scarlet" type, not quite so long and a little thicker, the brilliant scarlet color, mild, brittle, of fine flavor, and the most suitable for forcing and the early market garden.
Pkt. 5c; oz. 10c; ¼-lb. 20c; lb. 60c

WINTER RADISHES

SAKURAJIMA—See Novelties.

These can be divided into two distinct classes: The European varieties and the Chinese, or California varieties. The former have firm, hard, but very fine grained flesh, while the latter produces radishes of an extra large size with white, crisp and juicy flesh.

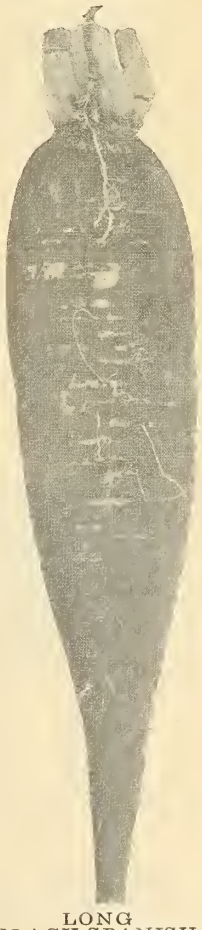
The Long Black Spanish and the Round Black Spanish are the favorite German Winter "Rettige."

The White Chinese is the finest of all extra large white radishes. Nearly the whole of the splendid root grows above the surface, which makes pulling them a pleasure. The flesh is always crisp and juicy.

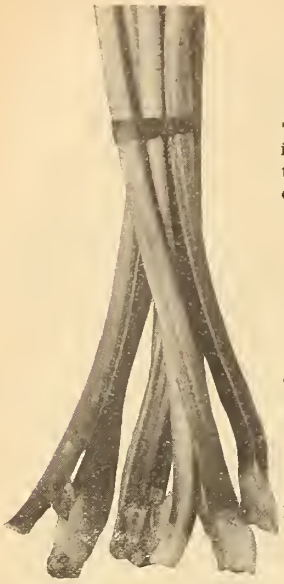
The China Rose-colored, and the California Mammoth White are quite similar to the above, but not quite so large.

5-lb. lots of one variety 15c less per lb. not prepaid.

Varieties	Pkt.	Oz.	¼-lb.	Lb.
Long Black Spanish. An excellent keeper	5c	10c	25c	70c
Round Black Spanish. Fine for winter use	5c	10c	25c	70c
White Chinese or Celestial. Cultivated extensively by market gardeners	5c	10c	25c	80c
China Rose Colored. Not as strong as the "Spanish" Radishes	5c	10c	25c	70c
California Mammoth White. Grows from 8 to 12 inches long	5c	10c	25c	70c



LONG BLACK SPANISH



RHUBARB OR PIE PLANT

Rhobarbar **Rulbarbo**

CULTURE. Rhubarb succeeds best in deep, somewhat retentive soil. The richer its condition and the deeper it is stirred the better. Sow in drills an inch deep and thin out the plants to 12 inches apart. The following spring transplant in place; set the plants from 4 to 5 feet each way. One ounce produces from 400 to 500 plants.

Book, "Rhubarb Culture," by J. E. Morse, price 50c.

LINNAEUS. Early, large and tender. . Pkt. 5c; oz. 10c; ¼-lb. 35c; lb. $1.00

VICTORIA. The most popular variety, later than the preceding. Pkt. 5c; oz. 10c; ¼-lb. 35c; lb. $1.00

AUSTRALIAN CRIMSON WINTER. Luther Burbank's introduction. Can be grown indoors in winter time. . . . . Pkt. 10c; oz. 50c; ¼-lb. $1.50

RHUBARB ROOTS

LINNAEUS and **VICTORIA.** 2 for 25c; 5 for 50c; 12 for $1.00, charges prepaid. If by freight or express not prepaid 75c per dozen; $5.00 per 100.

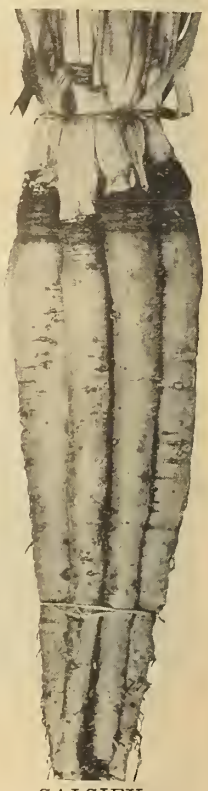
SALSIFY OR OYSTER PLANT

Haferwurzel **Salslfi**

CULTURE. The Oyster plant succeeds best in some light, well enriched soil which previous to sowing the seeds should be stirred to the depth of 18 inches. Sow early in the spring in drills 15 inches apart; cover the seeds with fine soil 1 inch deep. One for 60 feet of drill; 7 pounds to one acre.

MAMMOTH SANDWICH ISLAND. This splendid variety grows to fully double the size of the old sort; is of superior quality and delicate flavor. The Oyster Plant is one of the most nutritious and delicious vegetables, and should be more generally cultivated for winter use when the supply of really good vegetables is limited.

No Market Gardener should fail to grow it. It is a paying proposition. Pkt. 5c; oz. 20c; ¼-lb. 60c; lb. $2.00



SALSIFY

SPINACH

Splnat **Espinach**

CULTURE. Requiring but little culture it is one of the most easily managed of all vegetables. The main crop is sown in September, and if in exposed places it is sometimes covered with straw during the winter, which prevents it being cut by the frost. For summer use it may be sown at intervals of 2 or 3 weeks, from March to August. Spinach is best developed, most tender and succulent when grown in rich soil. One ounce to 100 feet of drill; 10 to 12 pounds to an acre.

Practically all the Spinach Seed comes from Holland. As this Catalog goes to press, Holland has an embargo on this seed and at the present time none of it can be secured from that country.

This embargo may be lifted at any time or it may be kept on as long as the war lasts. We have seed contracted in Holland and if the embargo is lifted we will get the seed.

AMERICAN CURLED SAVOY LEAVED. A most valuable variety. In appearance the leaf is wrinkled in the same way as that of the Savoy Cabbage, hence the name. It produces nearly twice the bulk of crop as the ordinary sort, is fully as hardy and in all other respects equal. Pkt. 5c; oz. 10c; ¼-lb. 30c; lb. $1.00

ROUND SUMMER. This variety is generally preferred for early spring growing, and is popular with market gardeners. Leaves thick and fleshy. Not quite as hardy as the prickly, but stands winter well . . . . . Pkt. 5c; oz. 10c; ¼-lb. 30c; lb. $1.00

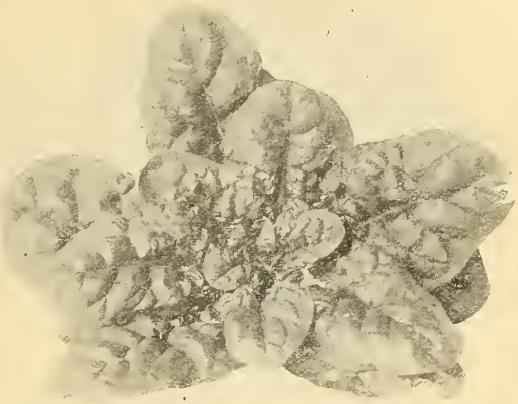
PRICKLY OR WINTER. The hardiest variety and will withstand the severest weather with only a slight protection of straw or leaves. The seed is prickly, leaves triangular, oblong or arrow-shaped. It is the best for fall sowing, which in this latitude is about the first of September. Pkt. 5c; oz. 15c; ¼-lb. 30c; lb. $1.00

SPINACH—Continued

LONG STANDING. An improved strain of excellent merit, having all the good qualities of the ordinary sorts; but it is especially desirable because of the fact that it is much later in going to seed than the average variety.
Pkt. 5c; oz. 10c; ¼-lb. 30c; lb. $1.00

TRUE VICTORIA. The foliage is heavy, the broad dark leaves being of the true Savoy appearance and are of the finest quality. The feature that makes it of especial value for both market and family gardens, is that it is in prime condition from two to three weeks after all other varieties of Spinach have run to seed.
Pkt. 5c; oz. 10c; ¼-lb. 30c; lb. $1.00

LARGE, ROUND, THICK LEAF VIROFLAY. A most valuable variety with very large thick leaves, making it especially desirable where bulk is wanted.
Pkt. 5c; oz. 10c; ¼-lb. 30c; lb. $1.00


LONG STANDING

NEW ZEALAND. (Tetragonia expansa.) This is not a Spinach of the ordinary kind, but a plant of branching growth. One single plant will grow to dimensions of six feet across, producing an abundance of thick, fleshy, juicy stems, and leaves, which make an excellent Spinach. The flavor is fine and the fact that it does well throughout the hottest summer, makes it all the more desirable. Every Market Gardener should grow a crop where there is a market for Spinach. It is a money-maker.
Pkt. 5c; oz. 10c; ¼-lb. 30c; 1 lb. $1.00

SQUASHES

Speise Kurbiss **Calabaza**

CULTURE. Squashes are divided into two classes; the early summer sort and the late fruited winter varieties. Sow about the middle of spring in hills, the early sort about 4 feet apart, and the late varieties 6 to 8 feet. Drop enough seed to be thinned to three plants in a hill. The hills should be highly manured and prepared in a similar manner as those for cucumbers. One ounce to 40 hills for small sorts; large varieties 1 ounce to 20 hills; 4 to 5 pounds to an acre.

BUG DEATH kills all kinds of bugs and does not injure the foliage. Include some with your order. You will need it later.

SUMMER VARIETIES

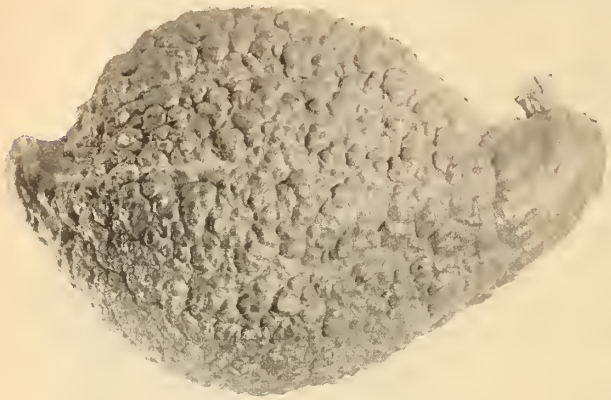
EARLY WHITE BUSH. This is the well-known White Patty-pan Squash. The earliest to mature, very productive; light cream colored.
Pkt. 5c; oz. 10c; ¼-lb. 25c; lb. 75c

MAMMOTH SUMMER CROOKNECK. One of the best summer Squashes. It is twice as large as the ordinary Summer Crookneck, highly attractive, several days earlier. This combination of earliness and size makes it a most desirable variety for the market gardener as well as for private use.
Pkt. 5c; oz. 10c; ¼-lb. 30c; lb. 90c

GOLDEN SUMMER CROOKNECK. A small crooknecked summer squash; skin bright yellow, covered with warty excrescences. Very early, productive and of excellent flavor.
Pkt. 5c; oz. 10c; ¼-lb. 25c; lb. 75c

MAMMOTH WHITE BUSH. The fruit is a beautiful clear white wax instead of the yellowish-white so often seen in the old stock, and is much larger . . . . . Pkt. 5c; oz. 10c; ¼-lb. 30c; lb. 90c

WINTER SQUASHES



WARTED HUBBARD

HUBBARD. The best table Squash yet known, rivaled only by the "Dellcious," as described above. Good specimens are about equal to the sweet potato. It has a hard shell, and with some care will keep three months longer than the Marrows. Flesh fine grained, dry and of excellent flavor.
Pkt. 5c; oz. 10c; ¼-lb. 30c; lb. $1.00; 5 lbs. not prepaid $4.00.

THE WARTED HUBBARD. This is, in quality, one of the best winter sorts. It is attractive on the market and a ready seller. Very dark green, and flesh is dry and sweet. Very hard shell, which insures good keeping qualities. It is considered an improvement on the old type of Hubbard on account of its warted skin.
Pkt. 5c; oz. 10c; ¼-lb. 35c; lb. $1.25

RED OR GOLDEN HUBBARD. This is a very distinct sort, of the shape and general character of the Hubbard, but a little smaller, earlier to mature, and of a rich orange red instead of the dark olive green of the old Hubbard, while the flesh is of a little deeper color and of fully as good quality.
Pkt. 5c; oz. 10c; ¼-lb. 30c; lb. $1.00

BOSTON MARROW. Oval in form, color of skin bright orange, flesh yellow, very desirable for late autumn and winter use.
Pkt. 5c; oz. 10c; ¼-lb. 30c; lb. 90c

ESSEX HYBRID. An improved American Turban, having the color, shape and superior quality of the Turban with the dry and hard shell of the Hubbard. It is not only one of the richest flavored, finest grained, and sweetest of all the Squash family, but also one of the very best keepers.
Pkt. 5c; oz. 10c; ¼-lb. 30c; lb. $1.00

PROLIFIC MARROW. One of the earliest varieties, remarkably productive and a good keeper. Its color is a most attractive brilliant orange red. In quality of meat it is rivaled by a few varieties only.....Pkt. 5c; oz. 10c; ¼-lb. 30c; lb. 90c

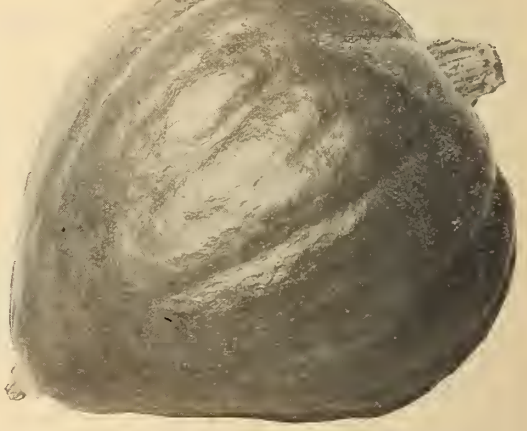
VEGETABLE MARROW. A favorite English sort; early, skin greenish-white, flesh white, soft and of rich flavor; quite distinct from other sorts.
Pkt. 5c; oz. 10c; ¼-lb. 30c; lb. $1.00

MAMMOTH CHILLI. Although not new, we desire to call the special attention of all who want "Mammoth Squashes" to this variety. Size enormous, often weighing 100 to 200 pounds; very profitable for stock feeding, especially where root crops are not grown extensively; remarkably productive.
Pkt. 5c; oz. 10c; ¼-lb. 30c; lb. 90c

MARBLEHEAD. An excellent keeper. It is about the size of the Hubbard with shell of bluish-green, and a bright orange flesh. Requires the whole season to mature.
Pkt. 5c; oz. 10c; ¼-lb. 30c; lb. 90c

SIBLEY OR PIKE'S PEAK. One of the best shippers owing to the hardness of the shell. Flesh is solid and thick of bright orange color and choice quality. Flavor rich and sweet, and it ripens easily.....Pkt. 5c; oz. 10c; ¼-lb. 30c; lb. $1.00

GREGORY'S DELICIOUS. This fine new winter squash, now offered by us to the Western Planters is of the finest quality possible. The Eastern people have had it for the past few years, and the popularity of this splendid variety increases steadily. In size it closely resembled the original Hubbard. In color it is almost uniform with occasionally a blue specimen. The thickness of its flesh surpasses nearly every other variety; the color being a dark orange. For table use it cannot be excelled; these Squashes represent a remarkable combination of fineness and compactness of grain, dryness, sweetness and exceeding richness of flavor.
Pkt. 5c; oz. 10c; ¼-lb. 30c; lb. $1.25



TOBACCO

Tabak Tabaco

CULTURE. Tobacco in this par of the country should be started in a hotbed in March and treated the same as tomatoes.

HAVANA. Pure Cuban grown seed. When grown in this country commands a high price as cigar stock.....Pkt. 5c; oz. 30c; ¼-lb. $1.00

MISSOURI BROAD LEAF. A well known standard sort, valuable for cigar wrappers.
Pkt. 5c; oz. 30c; ¼-lb. $1.00

CONNECTICUT SEED LEAF. Best adapted to the climate of the Middle and Northern States. as it is more hardy and endures the cold better than the tender varieties grown in the South.
Pkt. 5c; oz. 25c; ¼-lb. 75c

WHITE BURLEY. A variety grown for the manufacture of fine cut and plug.
Pkt. 5c; oz. 50c; ¼-lb. $1.50

TOMATOES

Tomaten oder Liebesapfel **Tomato**

CULTURE. The seed should be grown in March in a hotbed or green house, or may be sown in a box and kept inside the window of a room where the night temperature is not less than 65 degrees. The plants should be thinned out in the bed so as to give them plenty of room or they will be weak and poor. They should be hardened before planting outside. About the middle of May the plants may be set in the open ground, from 4 to 5 feet apart each way. Our stock of tomatoes is grown by several of the best growers. One ounce produces about 1,500 plants.

To prevent rot and blight on tomato plants spray with Bordeaux Mixture, when first fruits have set. If disease appears repeat or use a weak Copper Sulphate solution as often as needed.

KANSAS STANDARD

KANSAS STANDARD. The Kansas Standard belongs to the potato-leaved class of tomatoes; it is of rapid, vigorous growth, with strong heavy stalks, which stand up well unless, which is often the case, they are pulled down with over-abundant fruit. It begins blooming when only six or seven inches high, attains a height of from two and a half to three feet and sets its fruit—a rare habit in any tomato—from the first blooms. The fruit is of a bright, glossy red color and is produced in clusters of from four to five tomatoes. In shape the fruit is round, slightly flattened, ripening clear to the stem, perfectly smooth. It has very few seeds; the meat is thick and firm and of a most excellent flavor.

This tomato is a first-rate keeper and shipper on account of its tough skin, a fact which makes it also very resistable against influences of insects, which are so destructive to other varieties. Highly recommended . . . Pkt. 5c; oz. 25c; ¼-lb. 80c; lb. $3.00

THE MATCHLESS. For the past twenty years Matchless has been the main crop variety, and in spite of many new varieties, claiming superiority, has maintained its position as the finest large-fruited bright red variety. The vines are of strong vigorous growth, well set with fruit. The fruits are free from core; of a very rich cardinal red color and are not liable to crack from wet weather. They are of very large size and the size of the fruit is maintained throughout the season until the vines are killed by frost. The skin is remarkably tough and solid, and ripe specimens picked from the vines will keep in good condition for several weeks. Our stock of Matchless is absolutely unsurpassed.

Pkt. 5c; oz. 20c; ¼-lb. 60c; lb. $2.00

EARLIANA. This is without doubt the earliest bright red tomato now in cultivation. The tomatoes are deep scarlet and grow closely together in clusters of five to eight. They are of medium size, smooth and solid. The plants are quite hardy with rather slender branches, bearing an abundance of fine tomatoes. The close dwarf habit of growth makes it very desirable variety where not much space can be wasted on a more spreading and branching variety. It is especially valuable as it produces fruit at the time when the prices are the highest. No market gardener should be without it. . . . . Pkt. 5c; oz. 20c; ¼-lb. 60c; lb. $2.00

From an Oklahoma Paper.

GROWS TOMATO VINE SIXTEEN FEET TALL

W. H. Neblick, 70, Calvin, Okla., has a tomato vine 16½ feet tall which he cultivated himself, a letter to The News says. A picture accompanied the letter, showing the old man picking big tomatoes from the vine.

Neblick said he got the seed from Barteldes Seed company; the vine is the "late stone" variety, he said.

EARLIANA

TOMATOES—Continued

PONDEROSA

PONDEROSA. This is rapidly becoming the most popular variety for home gardening. The fruits grow to enormous size and are extra fine for slicing. If you want some real large tomatoes plant Ponderosa.

BARTELDES' STONE. Next to the Matchless, and a fine Tomato, too, for main crop.

PERFECTION. A very heavy cropper and produces more and larger fruit toward the close of the season.

ATLANTIC PRIZE. One of the largest, smoothest and best flavored of the extra early Tomatoes.

EXTRA EARLY RED. Very early and an excellent variety, where small tomatoes are wanted early.

ROYAL RED. First-class main crop variety and very productive.

FAVORITE. Has no green core; of perfect shape; smooth as an apple and never cracks after ripening.

TROPHY. Large, smooth, solid, fine in color and prolific. Fine variety for gardeners or home use.

PRICES for any one of the above eight varieties: Pkt. 5c; oz. 25c; ¼ lb. 60c; lb. $2.00.

The Trucker's Favorite

This, in our estimation, is the "Peerless" amongst the pink tomatoes. A variety of such unusual merit that it deserves the highest praise and recommendation. It is truly "The Trucker's Favorite." Its fine and smooth, uniformly shaped fruits command the highest market price and when once a market has found out the meritorious characteristics of this splendid sort, it cannot do without it.

The fruits are thick-meated and very solid; the meat is of the finest flavor, making the tomatoes equally good for slicing and for cooking purposes. A basket of these tomatoes is one of the most attractive sights on the market table, and parties offering them for alse will find the demand larger than the supply. Be sure to include this variety in your next order. You will want more seed next year.

Pkt. 5c; oz. 25c; ¼-lb. 60c; lb. $2.00

ACME. A Tomato of superior quality; of medium size and slightly oval in shape. Flesh deep scarlet and unusually solid. Grows very regular.....Pkt. 5c; oz. 20c; ¼-lb. 60c; lb. $2.00

BEAUTY. It grows in clusters of four or five large fruits, retaining its large size very late in the season. It ripens very early and evenly, and is in perfect shape.....Pkt. 5c; oz. 20c; ¼-lb. 60c; lb. $2.00

DWARF CHAMPION. Its close, upright growth enables it to be planted much earlier and nearer together than any of the older sorts, and the yield, therefore, is accordingly much greater. In productiveness it is unsurpassed. It is also very early. The fruit resembles the Acme, and is of a purplish pink color, and always smooth and symmetrical in form. It is medium size and attractive in appearance; the skin is tough and the flesh solid and of fine quality.....Pkt. 5c; oz. 25c; ¼-lb. 70c; lb. $2.25

YELLOW AND SMALL-FRUITED VARIETIES

Varieties	Pkt.	Oz.	¼-lb.	Lb.
Golden Queen. The best yellow variety. Of superior appearance and a distinct flavor of its own	5c	20c	60c	$2.00
Yellow Plum. Color bright yellow; excellent for preserving	5c	20c	60c	2.00
Red Plum. Same as above except color	5c	20c	60c	2.00
Red Pear. A small variety, early; fine for preserving	5c	20c	60c	2.00
Yellow Pear. Same as above, except color	5c	20c	60c	2.00
Red Cherry. A small variety, size and shape of a cherry; for pickling	5c	25c	75c	2.50
Yellow Cherry. Same as above, except color	5c	25c	75c	2.50
Husk Tomato or Ground Cherry. This is very fine for preserves; immensely productive	5c	25c	75c	2.50

TOMATO PLANTS

Choice plants ready in spring. All standard varieties in season. At times, however, we may be out of some varieties and if customer will allow us to substitute it will hasten matters.

ASK FOR PRICES

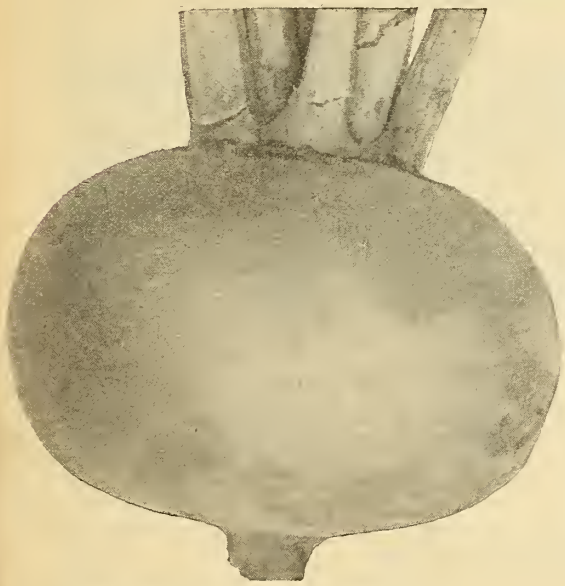
TURNIPS

Rüben **Naber**

CULTURE. Turnips do best in highly enriched light sandy or gravelly soil; commence sowing the earliest varieties in April in drills from 12 to 15 inches apart, and thin out early to six or nine inches in rows. For a succession sow at intervals of a fortnight until the last week in July, from which time until the end of August sowing may be made for the fall and main crop. One ounce will sow 150 feet of drill; one and one-half pounds to the acre.

For feeding stock in the fall or winter there is nothing superior to turnips and rutabagas, as they are much liked by all kinds of stock and serve to keep them in good condition. We cannot too earnestly recommend farmers to increase their sowings largely, for we are sure the crop will prove remunerative.

WHITE-FLESHED VARIETIES



PURPLE TOP STRAP-LEAVED

EARLY WHITE EGG. A quick-growing egg-shaped variety, perfectly smooth, pure white, growing half out of the ground, with small top and rough leaves. Its pure white skin and quick growth make it particularly suitable for market purposes. The flesh is very sweet, firm and mild, never having the rank strong taste of some varieties.
Pkt. 5c; oz. 10c; ¼-lb. 20c; lb. 50c

PURPLE TOP STRAP-LEAVED. The standard for this part of the country. Superior for early or late planting. Round, flat, good sized, small top with but few leaves; flesh very fine; flavor good.
Pkt. 5c; oz. 10c; ¼-lb. 20c; lb. 50c

EXTRA EARLY PURPLE TOP MILAN. The earliest in cultivation. The bulb is very flat, of medium size, quite smooth, with a bright purple top; leaves few, short and light of color, growing very compact and making an exceedingly small and neat top. The pure white flesh is of the choicest quality, hard, solid and fine grained. It is an excellent keeper...Pkt. 5c; oz. 10c; ¼-lb. 25c; lb. 75c

EARLY WHITE FLAT DUTCH. (Strap-leaved.) This is a popular early turnip for table use. For autumn and the early winter use this and the Purple Top are highly popular.
Pkt. 5c; oz. 10c; ¼-lb. 20c; lb. 50c

LARGE EARLY RED TOP GLOBE. An old favorite, large sized, of rapid growth, unusually attractive and admired by all who have seen it.
Pkt. 5c; oz. 10c; ¼-lb. 20c; lb. 50c

POMERANIAN WHITE GLOBE. This is a free-growing, rough-leaved sort, useful for both table and stock. It is not quite so rapid in growth as the flat varieties, may be expected to come in as a succession in autumn and is admired for table use in early winter...Pkt. 5c; oz. 10c; ¼-lb. 20c; lb. 50c

EXTRA EARLY WHITE MILAN. Very similar to the preceding except the skin is pure white, thus making it especially desirable for forcing.
Pkt. 5c; oz. 10c; ¼-lb. 25c; lb. 75c

LONG WHITE OR COW HORN. Without question a good flavored and delicate sort. A distinct feature is its rapid growth. This variety is a pure white, except a dash of green at the crown, and in shape is long like a carrot and generally crooked, hence its name...Pkt. 5c; oz. 10c; ¼-lb. 20c; lb. 50c

EARLY SNOWBALL. Is medium sized, pure white and early, of excellent quality. In our market it is much admired.
Pkt. 5c; oz. 10c; ¼-lb. 20c; lb. 50c

YELLOW-FLESHED VARIETIES

AMBER GLOBE OR STRAP-LEAVED. One of the best varieties for table use or for a field crop for stock. Flesh yellow, fine-grained and sweet, color of skin yellow with green top. Hardy, keeps well, a good cropper, grows to a very large size.
Pkt. 5c; oz. 10c; ¼-lb. 20c; lb. 50c

GOLDEN BALL OR ORANGE JELLY. Undoubtedly one of the most delicate and sweetest yellow-fleshed Turnips. Not a large size, but firm and hard, and of most excellent flavor. Keeps well.
Pkt. 5c; oz. 10c; ¼-lb. 20c; lb. 50c

YELLOW ABERDEEN OR SCOTCH YELLOW. This is a turnip fine for cattle feeding. It attains a large size, is solid, nutritious, a good keeper, and can be recommended in every respect.
Pkt. 5c; oz. 10c; ¼-lb. 20c; lb. 50c

SEVEN TOP. Cultivated exclusively in the South for the tops, which are used for greens. It is very hardy and will grow all winter, but does not produce a good root.
Pkt. 5c; oz. 10c; ¼-lb. 20c; lb. 50c

RUTABAGAS OR SWEDISH TURNIPS

PURPLE TOP YELLOW RUTABAGA. The best variety of Swedish turnip in cultivation. Hardy and productive, flesh yellow, of solid texture, sweet and well flavored; shape slightly oblong; terminates abruptly with no side or bottom roots; color deep purple above and bright yellow under the ground; leaves small, light green, with little or no neck; the most perfect in form, the richest in flavor and the best in every respect.....Pkt. 5c; oz. 10c; ¼-lb. 20c; lb. 60c

SWEET GERMAN. Flesh white, hard and firm, partaking much of the nature of the rutabaga. Must be sown much earlier than the flat turnip. In the autumn and the early winter it is apt to be too hard, but mellows like an apple by keeping.....Pkt. 5c; oz. 10c; ¼-lb. 20c; lb. 60c

AROMATIC, MEDICINAL AND POT HERBS

Varieties	Pkt.	Oz.
Anise. An annual, cultivated for its seeds and its leaves, which have a fragrant, agreeable scent and a pleasant taste	5c	10c
Balm. A hardy perennial of aromatic taste and fragrant smell	5c	25c
Borage—Gurkenkraut. Annual. In Germany the leaves are cut and used for a cucumber salad. Beautiful blue flowers	5c	15c
Caraway-Kuemmel. The seed are useful for flavoring	5c	10c
Catnip or Catmint. A great favorite among medicinal herbs	5c	30c
Chervil. Annual, used for soups and salads	5c	15c
Coriander. Annual, its tender leaves are sometimes used for soups and salads	5c	10c
Dandellon-Loewenzahn. Perennial; cultivated for spring greens; an excellent tonic	5c	25c
Dill. Annual; it is cultivated for its seeds, which are used medicinally and for flavoring pickles	5c	20c
Hop. The popular variety of commerce		10c
Horehound. Perennial; of strong and aromatic smell; used as a tonic	5c	20c
Hyssop. A perennial with aromatic flowers and of pungent flavor	5c	20c
Lavender. Perennial; cultivated for its fragrant flowers and aromatic leaves	5c	15c
Rosemary. Perennial; the tops only are used as a medicine	5c	40c
Rue. Perennial; a very powerful tonic. It must not be allowed to run to seed	5c	15c
Sage. Perennial; tea made from these leaves is an excellent means of producing sweat	5c	15c
Saffron. Annual; the dried flowers are used for medicinal purposes	5c	20c
Savory. Annual; leaves are used for culinary purposes	5c	20c
Sorrel. Broad leaved. Perennial; used in soups and salads and sometimes cooked like spinach	5c	20c
Sweet Basil. Annual; the leaves are used for highly seasoned dishes as well as in soups, stews and sauces	5c	15c
Sweet Fennel. Perennial. Tea made from the seed is an excellent remedy in case of colic and stomach complaints	5c	10c
Sweet Morjoram. Biennial; the leaves are used in soups, the seeds in the manufacture of sausage. An aromatic of sweet flavor	5c	15c
Sweet Thyme. Perennial; thyme tea is an excellent remedy for nervous headaches	5c	30c
Tarragon. Perennial. A very popular French herb for making Tarragon vinegar		10c
Wormwood. Perennial; used for medicinal purposes. Beneficial to poultry and should be planted in every poultry yard	5c	20c

NO GARDEN IS COMPLETE WITHOUT A FEW HERBS

VEGETABLE PLANTS

We will have the following plants in season. The prices per dozen are postage paid, but those in larger quantities are express, the purchaser to pay the charges. We will pack all plants in first-class manner and ship only fresh plants, but cannot guarantee safe arrival.

We will have all standard varieties, but at times we may be out of some of these and if the customers will state whether or not we may substitute it will avoid possible delay in filling the order.

	Per doz.	Per 100	Per 1000
Cabbage	15c	$0.50	$ 3.00
Cauliflower	30c	1.50	7.00
Celery	25c	1.25	8.00
Celeriac	30c	1.50	10.00
Egg Plant	35c	1.50	7.00
Pepper	20c	1.00	8.00
Tomato	15c	.50	4.00
Sweet Potato		.35	2.25

ROOTS

Asparagus	25c	1.00	6.00
Rhubarb (Linneaus and Victoria)	Postpaid—2 for 25c; 5 for 50c; 12 for $1.00		

Not postpaid—75c per dozen; $5 per 100

PREMIUMS **PREMIUMS**

25 cts **WORTH OF SEEDS** **Extra**

IN PACKETS AND OUNCES

Is Allowed for Every Dollar Sent for Seeds in Packets and Ounces

FLOWER SEEDS

Flower Seeds are all Postpaid at Catalog Prices

ANNUALS. Attain growth from seed, flower and die in one year.

BIENNIALS. Grow from seed one year, bloom and die the next. Some varieties bloom the first year if sown early.

PERENNIALS. Last for several years, blooming annually after the first season. Some varieties bloom the first year if sown early. May also be propagated by cuttings, slips or division of the roots.

DEPTH OF PLANTING. Cover seeds to a depth of about four times the size of the seeds. This rule applies in a general way and there are some exceptions.

A BORDER OF SWEET ALYSSUM

ABRONIA UMBELLATA. A handsome trailing plant with clusters of sweet-scented flowers, resembling verbenas in shape, but of smaller size; color rose lilac, with white eyes. Fine for baskets and vases as well as the garden. Remove the husks from the seed before sowing (as it grows much surer). Height 6 inches. Half hardy annual.....Pkt. 5c

ABUTILON, OR FLOWERING MAPLE. Desirable plant for the conservatory in winter, and effective border plants during summer, producing a profusion of flowers. Half hardy shurbs. Height 2 to 6 feet; perennial. **Finest Mixed**.....Pkt. 15c

ACROCLINIUM. (Everlasting.) This beautiful everlasting flower somewhat resembles the Rodanthe, but the flower heads are of a larger size. It is largely used for winter bouquet, for which purpose the flowers should be cut before they are fully expanded. Half hardy annual.
Mixed.....Pkt. 5c **White**.....Pkt. 5c

ADLUMINA OR ALLEGHENY VINE. A most beautiful and graceful climber, thriving in a sheltered situation, and climbing by its tendrils to any object within reach. Is sometimes known as Mountain Fringe, Wood Fringe and Allegheny Vine. The beautiful pink and white flowers are produced in abundance during the three summer months. It is biennial and makes but little growth the first season. Height 15 feet. **White and Pink**.....Pkt. 10c

ADONIS AESTIVALIS. Plants with fine and graceful foliage and brilliant scarlet flowers, remaining in bloom a long time. Grows well in shade or under trees. Height 1 foot. Hardy annual.
Pkt. 5c

AGERATUM MEXICANUM. Flowers light blue or lavender, very desirable for bouquets, furnishing a continuous bloom through the summer. Plants flower well in house all winter, when potted in the fall before frost. Height 12 inches. Hardy annual.
Pkt. 5c

AGROSTEMMA CORONARIA. (Rose Champion.) Perfectly hardy plants, producing pretty pink-like blossoms, on long, slender stems. Very useful for cutting bouquets, and pretty in masses or in bed. About 1½ feet high. Perennial.
Fine Mixed.....Pkt. 5c

ALYSSUM, SWEET. Excellent for borders and the flowers are fine for bouquets. Flowers are white, very fragrant and produced abundantly through the summer and until after severe frosts. Hardy annual. Height one foot..Pkt. 5c; oz. 25c

ALYSSUM, LITTLE GEM. Very dwarf and spreading, making a very dense mat which looks like a carpet of snow. In bloom all summer and fall. Especially adapted to borders.....Pkt. 5c; oz. 35c

ALONSOA MYRTIFOLIA. An attractive bedding plant with remarkably brilliant scarlet flowers, in bloom from July till frost. Removed to the house, they bloom well during the winter. Height 18 inches. Half hardy annual.....Pkt. 5c

ANTIRRHINUM. (Snapdragon.) One of the most desirable flowers in the catalog for its variety of color and succession of bloom, lasting from July until severe frosts. The plants should be covered with fine boughs or other light material, in November, and they usually survive and bloom finely the second year. Height 1 foot. Biennial.

Dwarf Mixed Colors.....Pkt. 5c
Tall Mixed Colors.....Pkt. 5c
Queen of the North, White.....Pkt. 5c

Coral. New variety growing 2½ feet high and a profuse bloomer; color, bright red, and white throat.
Pkt. 10c

AMARANTHUS. Valuable for its varieties of handsome foliage, whether grown in the conservatory or garden. The colors will be more brilliant if planted in moderately rich soil. Height 2 to 3 feet. Hardy annual

Amaranthus tricolor (Joseph's coat).....Pkt. 5c
Amaranthus caudatus (Love lies bleeding)..Pkt. 5c
Amaranthus cruentus (Princess feather)....Pkt. 5c

AMMOBIUM ALATUM. A small, white Immortelle, everlasting, very useful for cutting when fresh and drying admirably for a winter bouquet; producing a succession of bloom from July until frost. Height 18 to 24 inches. Hardy annual....Pkt. 5c

ASPERULA AZUREA SETOSA. A flower that because of it's shape, size, and delicate color—a light blue or lavender—is excellent for bouquets. In bloom from July until after severe frosts. Hardy annual. Height 9 inches.....Pkt. 5c

AMPELOPSIS. One of the best climbing plants for permanent situations, as it is perfectly hard clinging to the sides of whatever it may be grown against by the rootlets it throws out all along the stems. In the autumn the dark green foliage assumes beautiful tints of orange, crimson, etc. Height 5 to 10 feet. Hardy perennial.

Ampelopsis Quinquefolia (American Woodbine) Pkt. 5c

Ampelopsis Veitchii (Japan or Boston Ivy)...Pkt. 5c

ARMERIA MARITIMA. (Sea Pink.) These handsome plants are well adapted for ornamenting rock work and edging walks. Hardy perennials. Height 6 inches.....Pkt. 5c

ASTERS

FIELD OF ASTERS AS GROWN FOR SEED IN CALIFORNIA

The Aster is one of the most satisfactory of all annual flowers. The splendid variation of color and the long stems make them very desirable for cut flowers.

GOOD MIXED

A good mixture of all kinds.....Pkt. 5c

QUEEN OF THE MARKET. The earliest variety. Colors white, pink, red, blue or mixed. Pkt. 10c; ¼-oz. 40c

TRUFFAUTS PAEONY FLOWERED. An old standard of medium height. The colors are bright and delicate; the flower deserves a place in every garden.

The following colors:

Azure, blue, indigo, lavender and pure white, each.....Pkt. 10c; all mixed colors, ¼-oz. 50c.

COMET OR BRANCHING. A very handsome and distinct class of half-dwarf habit.

Giant White, the finest white.....Pkt. 10c
Many Colors Mixed.....Pkt. 10c; ¼-oz. 60c

GERMAN QUILLED. Of the same type as the Japanese Needle Asters, this variety is valued particularly for its abundance of fine flowers which it produces. The plant grows from 18 to 20 inches high, bearing often 30 to 40 flowers, which are carried on long graceful stems....Pkt. 10c; ¼-oz. 50c

VICTORIA ASTERS. One of the best asters for all-round use. It grows 15 to 20 inches high, setting numerous and well-developed flowers which often measure 4 to 5 inches in diameter.

Finest Mixed.....Pkt. 10c

DAYBREAK. This variety is the "Phoenix" Aster, the color is a beautiful delicate pink..Pkt. 10c

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ASPARAGUS. A very popular house plant, much used for hanging baskets. Perennial.

Sprengeri.....Pkt. (15 seeds) 10c
Plumosus Nanus.....Pkt. (12 seeds) 15c

BELL FLOWER. (See Campanula.)

BIGNONIA RADICANS. (Trumpet Vine.) Magnificent, hardy, deciduous climber with brilliant flowers deserving a first place as an ornamental and effective covering for walls of houses, etc. Hardy derennial. Height 20 to 30 feet.....Pkt. 10c

BEGONIA. (Tuberous rooted.) The newer forms of Begonias are among the best brilliantly beautiful flowering plants. The plants will give an abundance of bloom the first year and at the end of the season they may be dried off by withholding water. Plant the bulbs the following spring, when they will bloom more freely than ever.

Single mixed.....Pkt. 20c
Double Mixed.....Pkt. 25c

BULBS. (See page 70.)

BACHELOR'S BUTTON

(Centaurea Cyanus)

Also called Corn Flower, Ragged Sailor, etc. A hardy annual of easy culture. Will grow and flower freely in any garden soil. Will re-seed itself and grow from year to year. It is one of the best of the old-fashioned flowers and excellent for bouquets.
Pkt. 5c

BALSAM. Intense cultivation and continuous selections have improved these flowers to such an extent that persons having the old common forms in mind, will hardly recognize the new selected sorts. Require a rich, deep soil, good cultivation and plenty of space to grow to perfection.

Double White Alba Perfecta.....Pkt. 10c; oz. 60c
Double mixed.....Pkt. 5c; oz. 35c
Double, Camellia, mixed.....Pkt. 10c; oz. 60c

BALSAM APPLE AND BALSAM PEAR. (Momordica.) Rapid climbers with curious yellow fruit, which opens when ripe showing the seed and the blood-red interior.
Either Apple or Pear.....Pkt. 5c

BEETS OF ORNAMENTAL FOLIAGE. A species of Swiss Chard in various colors.
Pkt. 5c; oz. 20c

BOX WOOD. (Evergreen Buxus sempervirens.) A small evergreen with pale green leaves. Can be trained in desired form by shearing, largely used for bordering flower beds. Hardy perennial...Pkt 5c

BOSTON IVY. (See Ampelopsis.)

BRACHYCOME IBERIDIFOLIA. (Swan River Daisy.) A delicate dwarf-growing plant, suitable for growing in grasses, edging, and rustic baskets. The flowers are of various shades of blue and white, with dark and white centers, cineraria-like in form, rather bell-shaped. After blooming, the petals of the flower roll up closely. All colors mixed..Pkt. 5c

BURNING BUSH OR SUMMER CYPRESS

(Kochia Trichophila)

This we consider one of the most ornamental border or hedge plants that has ever been brought out and it is sure to attract attention. The plants branch freely, and the stems are clothed with slender light green leaves. Early in the fall the ends of the shoots are thickly set with small bright scarlet flowers, the bushy plants resembling balls of fire. The plants are equally showy planted singly to show the round ball-like forms on all sides or grown in continuous rows.....Pkt. 5c

CACALIA COCCINEA. (Tassell Flower.) A pretty annual with flowers of bright scarlet and orange, borne in clusters on slender stalks, about a foot in length. They keep in bloom from early summer until early autumn, furnishing flowers for cutting every day. Height 1-foot.....Pkt. 5c

CALCEOLARIA HYBRIDA GRANDIFLORA. A favorite and universally admired genius, remarkable for their large, beautifully spotted blossoms produced in almost countless variegations of markings. They are grown in pots in the conservatory, greenhouse and garden. Flowers of immense size, seed saved from finest specimens.....Pkt. 25c

CALLIOPSIS

A very showy border plant, producing flowers in nearly every shade of yellow, orange, crimson, red and brown. If seed pods are removed as fast as they appear the plants will remain in bloom much longer. Height 2 feet. Hardy annual. Mixed colors.....Pkt. 5c

CALENDULA OFFICINALIS. This splendid variety has large flowers, beautiful imbricated, resembling in size and form the finest Aster. Each petal of plate straw color, is regularly marked with a stripe of bright deep orange. It blooms profusely with a succession of flowers from July until frost. It comes true from seed, and is one of the best annuals for a garden display. Height 18 inches.
Pkt. 5c

CANNA

Stately plant with foliage of elegant growth, presenting a luxurious and tropical appearance, are much employed in ornamental planting; when planted in clumps of 4 or 5 contrasting colors, they are very effective. Height 3 feet. Tender perennial. **Mixed colors**.....Pkt. 5c
Madam Crozier varieties.....Pkt. 5c

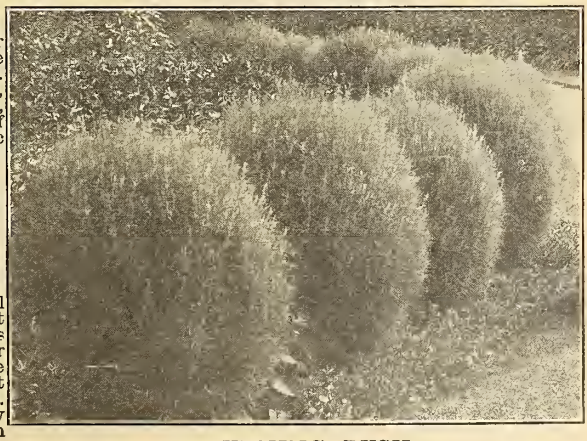
For Bulbs, see Bulb list on page 71.

CALIFORNIA POPPY. (See Eschscholtzia.)

CALLA AETHEOPICA

An old and very desirable plant, either an acquatic or for ornamentation of the drawing room and conservatory. Thrives in any light, rich soil where plentifully watered. Height 1 to 2 feet. Half-hardy perennial.....Pkt. 10c

CATCHFLY PLANT. (Silene Armeria.) A showy, free-flowering plant, with bright, dense heads of flowers growing well in common garden soil. Adapted for border, circular beds and ribbons. Height 18 inches. Hardy annual.....Pkt. 5c



BURNING BUSH

CAMPANULA [MEDIUM

(Bell Flower)

Campanulas embrace a great many beautiful popular perennials, like the Canterbury Bell, and also a number of annuals of great value for forming masses, as they are neat of habit, hardy and free bloomers. Height 1-foot. Hardy annual. Many varieties mixed.....Pkt. 5c

CANARY BIRD FLOWER. (Tropaeolum Canariense.) One of the best climbing plants, with graceful foliage of a delicate green shade with small yellow flowers which, when half expanded, have in shape a fanciful resemblance to canary birds. Height 8 feet. Half-hardy annual..Pkt. 10c

CANDYTUFT. (Iberis coronaria.) All of the colors of Candytuft are desirable for bouquets, especially the white, for its form and fragrance and profusion of bloom. Height 1-foot. Hardy annual.

White Rocket.....Pkt. 5c; oz. 20c
Tom Thumb, Dwarf.....Pkt. 5c; oz. 20c
Many Colors mixed.....Pkt. 5c; oz. 20c

CARNATIONS

This beautiful and well-known flower produces a finer bloom when grown from seed than when grown from cuttings taken from old plants. This seed will produce a fine variety of colors, with flowers good size and substance. Height 18 inches. Half-hardy perennial.

German, mixed colors.....Pkt. 10c
Marguerite, blooms in four months from time of planting.....Pkt. 10c
Grenadin, Pink and White.....Pkt. 10c

CASTOR BEANS. (Ricinus.) A luxuriant expansive foliage plant of tropical appearance, that should have a place in every garden affording the necessary space. The stalks of the plant of this variety are brownish-red; the leaves are very large palmate and strikingly elegant. Height 6 to 10 feet. Tender annual.

Sanguineus, large red.....Pkt. 5c; oz. 15c

Zanzibariensis. New Zanzibar, a giant large-leaved variety.....Pkt. 5c; oz. 20c

CENTAUREA. (Dusty Miller.) Magnificent foliage plants of silver white and gray foliage, indispensible for borders and edges. Half-hardy perennial. Height 1-foot.

Candidissima, mixed.....Pkt. 10c
Gymnocarpa.....Pkt. 5c

CENTAUREA IMPERALIS:

Many Colors, mixed.....Pkt. 10c
White.....Pkt. 10c

CENTAUREA MARGUERITE. A sweet-scented Centaurea, about as large as a medium-sized Carnation. It is a sport from Centaurea Odorata, and the plants are about 18 inches high. The flowers are beautifully lacinated and produced on long stems; their lasting quality after being cut is remarkable. The beauty of this easily cultivated annual is certain to excite admiration.

Mixed Colors.....Pkt. 10c

CHRYSANTHEMUMS

(Early Annual.)

The glorious and showy autumn blooming Chrysanthemum, which are now so much admired and cultivated, have their relatives among the summer annuals which are easily raised from seed. The plants can be raised by sowing the seed early in the house or frame and planting them out when the weather is favorable, or the seeds can be sown in an open seed bed, or where the plants are to stand, provided the plants are thinned out to 8 to 12 inches apart. A little shade, or shade in the after part of the day is desirable for them—a border on the east or northeast side of the house would be desirable. Pinch them back until July 15 to make them grow branching and full.

Mixed colors.....Pkt. 5c

CHRYSANTHEMUM MAXIMUM. (Large or Ox-eyed Daisy.) A large free-blooming hardy perennial, 2 feet high, literally covered with pure white flowers, which are well adapted for cutting, lasting over a week in water.....Pkt. 10c

CHRYSANTHEMUM FRUTESCENS. Marguerite or Paris Daisy.) This variety, under the name of Marguerite has attained great popularity among florists. The pretty star-shaped white flowers are freely produced and the plant will grow under almost any circumstances.

Perennial.....Pkt. 10c

COSMOS

This is one of the showiest annuals for late summer blooming. The beautiful flowers are borne on long stems and this with the feathery foliage make them excellent for decorative purposes. The flowers will last about a week in water.

The plants grow from four to six feet tall and when given sufficient space will branch quite freely and produce a great many beautiful flowers. They can be transplanted any time until shortly before blooming.

We have White, Pink, Crimson, Yellow and Mixed at 5c per packet.

CLEMATIS

Well-known climber generally used for covering arbors and verandas. Have very fragrant flowers and the vines will cling to most any object. They are perennials and will live from year to year but need some protection in the North. Commonly planted by setting out the roots but can also be grown from seed..Pkt. 10c

For Clematis Plants see under Nursery Stock.

CINERARIA HYBRIDA GRANDIFLORA. Very attractive, much admired greenhouse plant; Height 1 to 2 feet.....Pkt. 25c

CINERARIA. (Maritima Candidissima.) White-leaved; used for bedding, vases, etc. Height 1-foot.....Pkt. 5c

CLARKIA PULCHELLA. The Clarkia is highly esteemed in Europe, especially in England, where it is as common as the Candytuft. The flowers are very pretty and of many colors double and single. As the plant is apt to suffer in our hot, dry summers, it is better to sow the seed in September and the plants will be large enough by spring to make a good bloom. Hardy annual. Height 1¼ inches.....Pkt. 5c

CLEOME OR SPIDER PLANT. Better known in the West as "Rocky Mountain Bee Plant." It is the emblem flower of the Colorado State Bee Keepers' Association. Has a very attractive flower in shades of pink and crimson, on tall branching plants. A splendid honey plant....Pkt. 5c; oz. 10c

CLIMBING BLACKEYED SUSAN. (See Thunbergia.)

CLIMBING ANNUALS MIXED. In this we have included all the popular quick-growing climbing annuals, such as **Ipomoeas, Nasturtiums, Sweet Peas, Japanese Hops, Cypress Vine, etc.** Just the thing for covering old fences, arbors, etc.
Pkt. 10c; ½-oz. 25c

COBEA SCANDENS

(Cup and Saucer Vine.)

A splendid climbing plant, with large purple bell-shaped flowers and elegant tendrils; when well established grows very rapidly, with numerous branches. Height 15 to 20 feet. Tender annual.
Pkt. 10c

COLEUS. Probably there is no other kind of foliage plants so well known and universally admired as the Coleus. It is one of the most beautiful of our variegated perennial foliage plants for the greenhouse or garden decorations, ribbon-beds, etc., of rapid growth and easy culture. Tender perennial. Height 1 to 2 feet. **New Hybrid Mixed**..Pkt. 25c

COCKSCOMB

(Celosia Cristata)

A highly ornamental plant, producing crested heads of flowers, somewhat resembling a cock's comb. There are many colors and shapes, but the scarlet and crimson ones are the most brilliant and rich. Height 1 to 2 feet.

Dwarf, mixed colors.....Pkt. 10c
Feathered.....Pkt. 10c
Mixed.....Pkt. 5c

ROCKY MOUNTAIN COLUMBINE

(Aquilegia Coerulea)

Colorado's emblematic flower. Needs to be seen to be appreciated. Color is a light blue, in very high altitudes nearly white. We are headquarters for this seed and furnish the true stock....Pkt. 10c

We can supply roots of this variety at 20 cents each, or three for 50 cents, postage paid.

OTHER VARIETIES OF COLUMBINE

These new double sorts are very beautiful and embrace a variety of colors and forms. Height from one to three feet. Hardy perennial.

Mixed colors.....Pkt. 10c
Yellow.....Pkt. 10c

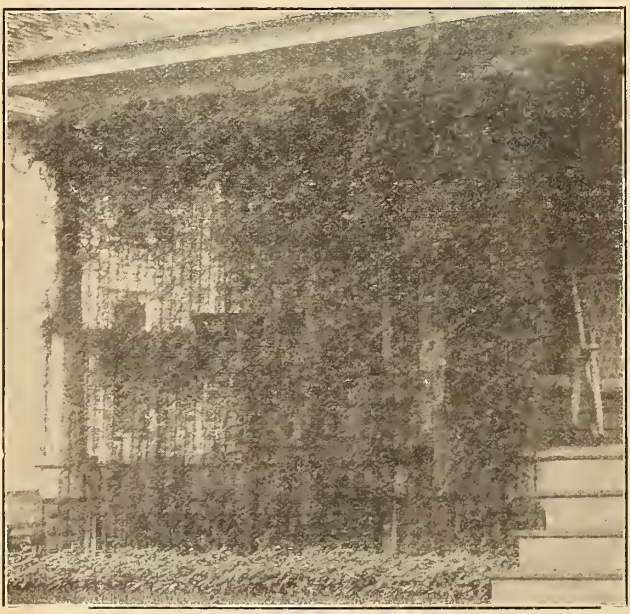
CONVOLVULUS OR MORNING GLORY

(See also under Novelties.)

TALL MORNING GLORY. (Convolvulus Major.) This well-known annual is one of the most popular climbers. Of rapid growth, soon covering a fence or trellis with abundant foliage and bright flowers. A great variety of colors and shades. Height 10 feet. Hardy annual.
Mixed colors.....Pkt. 5c; oz. 15c; ¼-lb. 35c

IMPERIAL JAPANESE. The flowers are of immense size and of strong colors. Soak seed before planting.....Pkt. 5c; oz. 25c

DWARF MORNING GLORY. (Convolvulus Minor.) A trailing procumbent plant with flowers of rich shades in blue in some instances rivaling the pansy in richness of color, finely shaded with yellow and white. In bloom from July until after severe frosts. Height 10 inches. Half-hardy annual.....Pkt. 5c



A VERY BEAUTIFUL AND EFFECTIVE PORCH SCREEN OF CYPRESS VINE

COREOPSIS LANCEOLATA

Flowers large, single golden yellow. For generosity of bloom there is nothing to compare with it, and it will bear cutting far better than any other plant; at the same time it is always graceful. It can be sown freely from seed and does well when treated as an annual. Pkt. 5c

CORN FLOWER ASTER

(See Stokesia.)

CYCLAMEN

Well known and universally admired, tuberous rooted plants producing exceedingly handsome red and white flowers. A tender perennial. One foot high.

PERSICUM. Mixed, of great beauty and many colors.....Pkt. 15c

GIGANTEUM. Mixed, characterized by beautiful foliage and profuse bloom; each flower is from two to two and one-half inches long. Very choice.....Pkt. 20c

CYPRESS VINE. (Ipomoea Quamoclit.) One of the most beautiful climbers; fine, delicate cut foliage, dotted with small scarlet flowers. For covering pillars, trellis work, etc., it is unsurpassed in grace and beauty. Height 12 feet. Tender annual. Mixed color.....Pkt. 5c

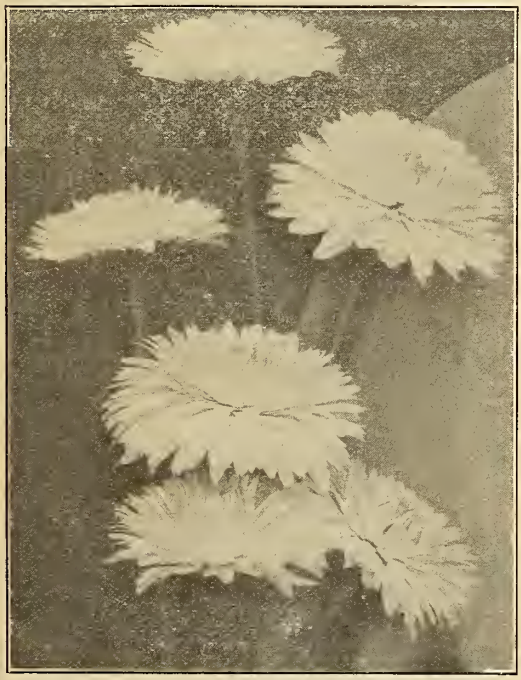
SHASTA DAISY

DAHLIAS

Dahlias are easy of cultivation, growing freely in most any kind of soil from seed in the spring. Height 4 to 5 feet. Half-hardy annual. Perennial.

Dahlia. Finest double mixed.....Pkt. 10c
Dahlia. Finest single mixed.....Pkt. 10c
For Dahlia Bulbs see page 70.

DAHLIA — Hornsveld's Giant Hybrids Mixed. This new variety will be found one of our best cut flowers for summer use. It has magnificent long-stemmed, single and semi-double flowers, of immense size and in a great variety of colors. It will bloom freely the first year from seed, but for best results should be started in a box in the house in February and set outdoors when weather is warm.....Pkt. 10c



DOUBLE DAISY

(Bellis perennis.)

Charming little plants for edging and borders. The flowers are quilled and flat-petaled, white, red, pink and variegated. Not all will come double from the seed, and the single ones should be pulled out. Height 6 inches. Tender perennial.

Longfellow, pink; **Snowball,** white; **Double,** mixed; each.....Pkt. 10c

SHASTA DAISIES

A creation of Luther Burbank, who produced this wonderful flower by constant selecting of the wild species.

These are perennial and when once established will live from year to year, multiply rapidly, and bear abundantly.

Alaska, pure white; **California,** pale yellow; each.....Pkt. 15c

OX-EYED DAISY. See Chrysanthemum Maximum.

PARIS DAISY. See Chrysanthemum Frutescens.

DELPHINUM. See Larkspur.

DIANTHUS BARBATUS. See Sweet William.

DIGITALIS. See Foxglove.

DOLICHOS LABLAB. See Hyacinth Bean.

EVERLASTING FLOWERS. Containing all the popular varieties of the "straw flower" class. All kinds mixed.....Pkt. 10c

FEVERFEW. (Matricaria capensis.) A free-flowering, half-hardy perennial plant growing 18 inches in height. Seed sown early in the spring in the open ground will produce flowers by fall. The plant throws up numerous stems terminating in clusters of very double pure white flowers three-quarters of an inch in diameter. These are desirable for cut flowers. Plants bloom when grown in pots in a cool room.....Pkt. 10c

FLAX. Scarlet. See Linum.

FOXGLOVE. (Digitalis.) Showy and useful flowers for the border, flowers borne in tall spikes bell or thimble-shaped of all colors; new plants may be obtained by dividing the roots. Height 2 feet. Hardy perennial. **Mixed colors**.....Pkt. 5c

FORGET-ME-NOT. (Myosotis Alpestris.) This beautiful little flower is too well known to require description or recommendation. The delicate blue flowers appear all summer. Height 6 inches. Hardy perennial.....Pkt. 10c

ESCHSCHOLTZIA

(California Poppy)

A flower attractive in foliage, bud and blossom. One of the most attractive flowers grown. Plants procumbent, forming dense bushy masses, with a succession of flowers from June until after severe frosts. When grown with Dwarf Convolvulus contrasts finely with the dark blue. Height 1 foot. Hardy annual.

CALIFORNICA. The original variety.....Pkt. 5c

EARLY DOUGLASII. Yellow with golden center.....Pkt. 5c

MAMMOTH GOLDEN WEST. Large flowers of orange color shading to yellow at the edge. Pkt. 5c

FOUR O'CLOCK

(Marvel of Peru or Mariabilis Jalaba.)

Derives it's name from the fact that the flowers open at four o'clock in the afternoon, stay open all night and close about nine in the morning.

A handsome plant for making an attractive display of its many colored flowers from the middle of July until frost. The blossoms are marbled and spotted in the most diversified manner, the same plant producing different colors; some branches will grow flowers of a single color only, while others will have striped or partly colored. The leading colors are red, white and yellow, with stripes and variegations of all three. Height 2 feet. Hardy annual.
Pkt. 5c; oz. 15c

FUCHSIA

The varieties of Fuchsias are now numbered by hundreds and some are exceedingly beautiful. They are as easily grown from seeds as raised from cuttings, and from seed many improved varieties are obtained. Height 1 to 3 feet.

Double and Single mixed.....Pkt. 25c

GAILLARDIA. A showy annual, brownish red flowers, bordered with yellow and white, blooming strongly through the season, and until after heavy frosts. Height 18 inches.
All colors mixed.....Pkt. 5c

GERANIUM

(Pelargonium Zonale.)

Probably the Geranium is better known and more universally admired than any other plant known. The constant succession and durability of bloom till frost comes, the brilliancy of the scarlet and other colors, and the exquisite markings of the leaves of some of the varieties render them very desirable for pot culture or bedding. No garden seems complete without a bed of them, and in every collection of conservatory or parlor plants we are sure to find the Geranium. Propagation by seed is the only way to obtain new varieties. Height 1 to 2 feet. Half-hardy perennial.
Single and Double mixed.....Pkt. 15c

GILIA. Colors azure and light blue, shaded with yellow and white. Their size, shape and delicate coloring make them useful for bouquets. In bloom from the first of July till after severe frosts have destroyed most of the other annuals. Height 18 inches. Hardy annual, many colors mixed.
Pkt. 5c

GODETIA. A beautiful class of flowers; the plants are of neat, dwarf compact habit. They produce a profusion of rich carmine flowers, bearing same continually from August until frost. Height 1 foot. Hardy annual, mixed.....Pkt. 5c

GLOXINIA

Perennial greenhouse plants producing rich and beautifully colored flowers. They deserve extensive cultivation. **Hybrids mixed**.....Pkt. 25c
Gloxinia bulbs are offered on page 70.

GLOBE AMARANTH. (Gomphrena Globosa.) An excellent everlasting or immortelle; flowers globe-shaped purple, orange and variegated. Retain their shape and color when dried; are also good for cutting as fresh flowers. Height 10 inches. Tender annual.
Mixed.....Pkt. 5c

GLYCINE SINENSIS. See Wisteria.

GYPSOPHILA. (Baby's Breath.) Small fragrant flowers, borne on long feathery stems. No flower adds more of light and grace to a bouquet than this, and when once grown will be found indispensable. In bloom through the summer from the first of July until frost. Height 1 foot.
Paniculata, pure white, perennial.....Pkt. 5c
Elegana, delicate pink.....Pkt. 5c

GOURDS

(Useful as well as Ornamental)

A great variety of curiously formed and marked fruit. The vines are of rapid growth and with luxuriant foliage; adapted for covering screens, arbors, etc. Height 10 to 20 feet. Tender annual.

DIPPER AND SIPHON. Useful for dipper. Pkt. 5c; oz. 15c

JAPANESE NEST EGG. White like eggs, does not crack, and is not injured by heat or cold. Pkt. 5c; oz. 25c

SUGAR TROUGH. With thick tough shell and of great durability. Makes dishes and other utensils for various purposes.....Pkt. 5c; oz. 20c.

DISH CLOTH OR LUFFA. A rapid climber, having long green fruit, the inside of which is a fibrous mass, which, when shelled and seeds removed, makes an excellent substitute for a bath sponge. Pkt. 5c; oz. 10c

HERCULES CLUB. The longest gourd grown. Pkt. 5c; oz. 25c

CALABASH PIPE GOURD. See Novelties.

MIXED GOURDS. All kinds mixed. Pkt. 5c; ¼-oz. 15c; oz. 25c

HELIANTHUS GLOBOSUS. (Sunflower.) An exceedingly double variety of this well-known plant, adapted by its stately growth for a background to the lawn or a screen to hide unsightly places. It is also raised as an absorbent of miasma in damp or ill-drained situations, thus preventing fevers. The flowers are quite attractive. Hardy annual.

Pistolosus Double, Globe or Dahlia Sunflowers. Flowers large, double and of rich saffron color. Pkt. 5c; oz. 10c

Stella, pure golden yellow with black disks. Pkt. 5c; oz. 15c

Orion, same as above except petals are twisted like a cactus dahlia.....Pkt. 10c; oz. 20c

Mammoth Russian.....Pkt. 5c; oz. 10c

Red Sunflower. See Novelties.

HELICHRYSUM MONSTROSUM. One of the best immortelles; good shape, size and variety of desirable colors—yellow, sulphur, cream, white, pink, rose, red and crimson. Retain their natural shape very perfectly when dried. In bloom from July until destroyed by frosts. Height 18 inches. Hardy annual.

Many varieties mixed.....Pkt. 5c

HELIOTROPE. A well-known popular greenhouse plant, fine for bedding, vases or baskets and exquisite for pot culture in winter. Flowers purple, borne in clusters and exceedingly fragrant. Height 1 foot.

Mixed colors.....Pkt. 10c

HIBISCUS OR MALLOW

Shrub-like plants growing from four to six feet high and bearing bright colored flowers varying from three to five inches in diameter. Very hardy and very effective for backgrounds. Hardy perennial.....Pkt. 5c

HIBISCUS AFRICANUS. A showy hardy annual, cream color, with rich brown center. Height 2 feet.....Pkt. 5c

HOLLYHOCKS

(Althea Rosea.)

A great variety of brilliant colors, combining richness and delicacy in a remarkable degree; flowers large and densely double, remaining in bloom for a long time. It is one of the best and most ornamental of the perennials. Height 5 feet. **Separate colors, double white, pink, maroon,** each.....Pkt. 10c

Finest prize mixture of double varieties...Pkt. 10c

HOLLYHOCK ALLEGHENY. This is a species that will bloom the first year if started in the house in March and transplanted in May. The petals are fringed and the flowers of different colors...Pkt. 10c

HOLLYHOCK ANNUAL. Will bloom in August or beginning of September if sown in April. Flowers are single, semi-double and double. Mixed colors. Pkt. 10c

HYACINTH BEAN. (Dolichos Lablab.) Splendid climbers with abundant clustered spikes of purple and white flowers, which are followed by exceedingly ornamental seed pods. It is of rapid growth and often runs 30 feet in a season. Height 10 to 20 feet. Tender annual.....Pkt. 5c

ICE PLANT. (Mesembryanthemum Crystallinum.) Dwarf plant of procumbent or trailing habit, finely adapted for vases, rock work, etc. The surface of the foliage is covered with panicles, resembling crystals of ice glistening in the sun, forming a curious and attractive display. Height 6 inches. Tender annual.....Pkt. 5c

IPOMOEA QUAMOCLIT. See Cypress Vine.

IPOMOEA MEXICANA. See Moonflower.

INSECT POWDER PLANT. See Pyrethrum.

JAPANESE HOP. (Humulus japonicus.) A rapid-growing, perfectly hardy, annual climber of the hop family, of the easiest culture and indispensable for covering unsightly objects, or verandas, trellises, etc. Sows itself after the first year. Variegated leaves.....Pkt. 10c

JOB'S TEAR. (Coix Lachrymae.) Curious ornamental grass from East India with corn-like leaves and seeds of light slate color, wonderfully lustrous. Valuable for the formation of bouquets, in connection with everlasting flowers and strings of handsome beads are formed from the seeds. Height 3 feet. Hardy annual.....Pkt. 5c

KUDZU VINE. See Novelties.

LANTANA. Rapid-growing plants; the flowers are borne in Verbena-like heads embracing every shade of pink, purple, orange and white. Half-hardy perennial. Height 3 feet.....Pkt. 10c

LARKSPUR—Annual. (Delphinium Ajacis.) A fine variety of colors—shades of blue, red and others striped and mottled. The flowers are produced in spikes, which are continually pushing out from the main stem and branches, furnishing abundance of bloom through the season. Height 2 feet.

Double tall, mixed.....Pkt. 5c

Double dwarf, mixed.....Pkt. 5c

LARKSPUR — Perennial. (Delphinium Hybridum.) A very attractive hardy plant for corners of a yard, also center of flower beds. We furnish seeds of assorted colors.....Pkt. 10c

LINUM GRANDIFLORUM RUBRUM. (Scarlet Flax.) Distinguished for the brilliant colored flowers, which are deep crimson with black centers saucer-shaped, and very conspicuous in bed or border. The foliage of the plant is slender and delicate, and the flowers produce very little seed. Height 1½ feet. Hardy annual.....Pkt. 5c

LOBELIA. An elegant and useful class of dwarf, plants compact growth, bearing a profusion of delicate flowers. In bloom during summer and autumn. Make a neat and effective border for geranium beds and beds of ornamental plants; pretty for baskets, vases and piazza decorations. Height 6 inches.
Blue Crystal Palace. Half-hardy annual..Pkt. 10c

LOVE IN A MIST. See Nigella.

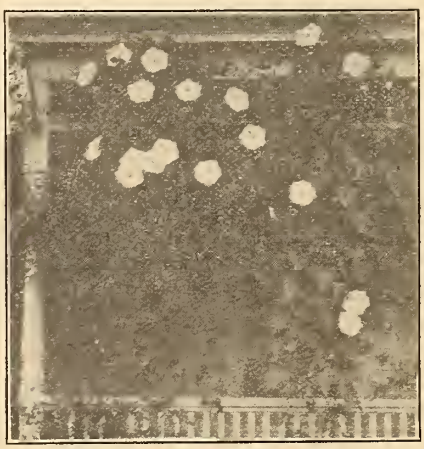
MARIGOLD

(Tagetes Patula Nana.)

A showy plant of compact symmetrical growth, handsome foliage and a profusion of flowers of brilliant colors of yellow and finely variegated and striped with dark rich colors of maroon and brown. Flowers of this variety are about 1-inch in diameter, full double to the center and cover the plant profusely. Height 1-foot. Half-hardy annual.

Dwarf Double, French.....Pkt. 5c

Dwarf Double, African. (Tagetes erecta nana). Pkt. 5c



MOONFLOWER

MAURANDIA. This vine is one of the best for window garden and almost equal to Smilax in delicate beauty. It is very hardy, blooms profusely and is very easily grown from seeds and roots, from cuttings.....Pkt. 10c

MESENBRIANTHEMUM. See Ice Plant.

MEXICAN BURNING BUSH. See Burning Bush.

MORNING GLORY. See Convolvulus.

MIGNONETTE. (Reseda odorata.)

Grandiflora, very fragrant, large flowering. Pkt. 5c; oz. 15c

Golden Queen, of golden yellow color. Pkt. 5c; oz. 40c

Giant White, of tall, pyramidal growth. Pkt. 5c; oz. 40c

Giant Matchett is the popular strain used by florists. Pkt. 5c; oz. 40c

MOURNING BRIDE

(Scabiosa Atropurpurea.)

One of the best flowers for bouquets; plants of dwarf habit and compact, the flowers borne upon long, wiry stems. A great variety of colors from white to very dark purple—almost black. In bloom from August till after severe frosts. Height 18 inches. Tender perennial.
Mixed colors.....Pkt. 5c

MIMULUS

These flowers are remarkable for their rich and beautiful markings and spots; well adapted for vases, pots and baskets, and also open culture in the garden. Height 1-foot. Hardy perennial.
Moschatus. Musk plant.....Pkt. 10c
Tigrinus. Monkey flower.....Pkt. 10c

MOONFLOWER

(Ipomoea Mexicana.)

The true Moonflower is one of the most vigorous of all the summer climbers; a single plant can be made to cover by August 15, a trellis 20 to 30 feet high and six feet broad, with a dense mass of leaves studded every night or cloudy day with hundreds of beautiful white wax-like flowers 4 to 6 inches in diameter. Height 30 to 50 feet. Tender annual. Pkt. 10c

MOSS ROSE. See Portulaca.

MYOSOTIS. See Forget-me-not.

NASTURTIUMS

TALL VARIETIES

(Tropaeolum majus.)

This well-known annual is the best for trellis and arbor decoration; flowers of a great variety of rich colors striped and spotted with different shades. Is excellent for vases and baskets; also does finely when grown in beds without trellis support; produces an abundance of flowers from the first of July until frost. Height 6 to 10 feet.

Coccineum. Bright orange scarlet.

Heinemanni. Silky bronze chocolate.

Pearl. Creamy white.

Regellanum. Brownish violet.

Schillingi. Bright yellow with maroon blotches.

Atropurpureum. Dark crimson.

Hemisphaericum. Straw color, rosy blotched, fine.

King Theodore. Crimson, dark-leaved.

Mixed. All colors.

Each of the above.....Pkt. 5c; oz. 15c

NEW FRENCH CHAMELEON. This new Nasturtium is a most remarkable advance in this brilliant family. We find that in richness and variety of color it surpasses any other strain, and is also unique in bearing flowers of quite distinct coloring on one and the same plant—some clear, deep crimson, others blotched on light ground and others beautifully mottled. This characteristic as well as wonderful richness of the unusual markings has been fixed in both the tall and dwarf forms.....Pkt. 5c; ½-oz. 15c; oz. 25c

MADAM GUNTER'S HYBRIDS. A grand strain of tall growth, containing many colors not found in any other mixture.

Many colors mixed.

Pkt. 5c; ½-oz. 10c; oz. 15c; 2 ozs. 25c

NEW IVY-LEAVED. This is the most brilliant and showy variety, differing from all other Nasturtiums in both foliage and flower. The plants are of a strong running growth; leaves are deep, rich, green, veined with silvery white, closely resembling in form and veining those of the hardy English Ivy. The flowers are of the deepest and richest glowing scarlet, comparatively small in size, but most of distinct form. It is also desirable as a trailing vine for planting in hanging baskets, vases, or for winter pot culture in the house. **All colors mixed.**

Pkt. 5c; ½-oz. 10c; oz. 15c; 2-oz. 2[illegible]

LOBB'S VARIETIES. (Tropaeolum Lobbianum.) These constitute without doubt some of the finest of our annual climbers; they are as easily grown as the common Tall Nasturtiums which they far surpass in remarkable brilliancy of their flowers, and also in the height of vines and rapidity of growth.

Many colors mixed..Pkt. 5c; ½-oz. 10c; oz. 15c

DWARF VARIETIES. (Tropaeolum majus nanum.) Dwarf Nasturtiums are very desirable for borders along walks, paths, etc. They are in constant bloom. Grow about a foot high.

Brilliant. A handsome scarlet.

King Theodore. Maroon.

Lady Bird. Orange-yellow, red spots.

Pearl. Creamy white.

Ruby King. A blue tinted red.

Empress of India. Dark red, very dark-leaved.

Purpureum. Crimson.

Spotted Varieties. Mixed.

Mixed. All colors.

All of the above.....Pkt. 5c; oz. 15c

DWARF FRENCH CHAMELEON. Same as described above amongst the tall varieties, but of the true dwarf habit.

Pkt. 5c; ½-oz. 15c; oz. 25c

SPECIAL OFFER OF NASTURTIUMS

Six assorted packets, your choice, of any varieties of Nasturtiums for 25 cents, 12 packets for 40 cents.

Five one-ounce packets of any Nasturtiums for 50 cents.

NEMOPHILA. This popular plant is to be found in almost every garden, and has secured a place in the heart of every lover of flowers. Of dwarf, spreading habit, is well adapted to border or pot culture. The flowers are exquisitely colored, blotched and spotted; they are quite apt to sport an endless variety of shades from black and blue to lighter colors. Height 6 inches. Hardy annual.

Mixed colors.....Pkt. 5c

NICOTIANA AFFINIS

A handsome genius of garden plants of the tobacco family, which are noted for freedom and fragrance of their bloom. Half-hardy annual, 3 feet high. The flowers are white, silver, shaped, and have long tubular corollas. Deserve a place in every garden.....Pkt. 10c

NICOTIANA SANDERAE. Introduced a few years ago by one of the leading horticultural firms of England, this remarkable novelty has in an incredibly short time won the admiration of the public, both in America and Europe. The shape of the flower resembles that of the Nicotina Affinis, but the flower tube is short and stout. The greatest beauty of it all is the brilliancy of its carmine-red flowers which are produced in the greatest profusion from early May till the close of autumn. The fragrance is not so pronounced as that of the Nicotiana Affinis but is deliciously sweet. Plant early in spring, same as other hardy plants, and transplant to open ground 2 feet apart when weather is suitable.....Pkt. 15c

PASSION FLOWER. (Passiflora Coerulea.) A most interesting and well-known order of climbers, bearing singularly beautiful flowers. They are the pride of South America and the West Indies, where the woods are filled with their species, climbing from tree to tree, bearing flowers of striking beauty.....Pkt. 5c

OXALIS. Very attractive and beautiful plants, with richly colored flowers, suitable for rock and rustic baskets. Half-hardy perennial. Height 6 inches.

Mixed varieties.....Pkt. 10c

Oxalis Bulbs are ready in September. Ask for our Bulb Catalog.

NIGELLA DAMASCENA

(Love in a Mist.)

A showy annual with finely cut foliage and curiously formed flowers of light blue color. The form and color make them very desirable for bouquets. Height 1 foot.

Mixed colors.....Pkt. 5c

ORNAMENTAL GRASSES

Ornamental grasses are very useful for cutting, when fresh, for summer bouquets, and also dry well for working with everlasting flowers for winter bouquets. This assortment includes the most delicate and graceful varieties.

Gynerium argenteum (Pampa Grass), forms elegant plumes of striking appearance.....Pkt. 5c

Lagurus ovatus (Hare's Tail), very pretty in bouquets.....Pkt. 5c

***Stipa pennata** (Feather Grass).....Pkt. 5c

Many splendid varieties mixed.....Pkt. 10c

Those varieties which are marked with asterisks (*) are perennial.

PETUNIAS

One of the best flowers for a splendid display throughout the season. Beautiful new colors, striped and marked in the most diversified manner. The ease and culture, profuse and continuous bloom, adaption for different ways of growing—indoors and in the garden—render the Petunia one of the most valuable of the annuals and entitle it to a generous share of the space in every garden. In bloom from July to October.

GIANTS OF CALIFORNIA. Produce immense large blossoms.....Pkt. 15c

DOUBLE MIXED. Saved from the choicest double flowers only.....Pkt. 20c

STRIPED AND BLOTCHED SINGLE MIXED.....Pkt. 5c

SINGLE MIXED.....Pkt. 5c

PANSIES

With the exception of the Rose there is no plant which enjoys such universal popularity as does the Pansy. It has a larger range of color than most plants and is a favorite with all. It is a hardy biennial, blooming continuously from spring until fall and if slightly covered will blossom the second year. It is better, however, to resow each year as the flowers the second year are never as fine as the first year. It is very easy to cultivate and no garden, however small, should be without a Pansy bed.

ORCHID FLOWERED PANSIES
See Novelties

BARTELDES' GIANT MARKET PANSIES

The imposing five-spotted flowers are from 2½ to 3 inches in diameter, perfectly round in form and borne on long graceful stems, a decided advantage over the old short stemmed sorts. The plants are of compact form, building perfectly round bushes, with strikingly pretty foliage. The beauty of these plants is in their being covered over with flowers of brilliant and rich colors, cannot be surpassed by any other dwarf growing annual. Pkt. 15c

SWEET SCENTED. This lovely new class is the result of a hybridization of the Pansy and the Sweet Violet, retaining the delightful perfume with Pansy bloom 2 inches in diameter, of good substance and in many colors. They include pure white, yellow, black, maroon, orange and lavender, also striped, blotched, etc.....Pkt. 15c

CASSIER'S NEW GIANT ODIER. Extra large flowers of the showy and popular Odier type, being all three or five-spotted on backgrounds of rich glowing colors in many distinct shades....Pkt. 15c

BUGNOT'S VERY LARGE STRAIN MIXED. An extra large five-blotched race; plants vigorous, with short stalks, bearing well above the foliage, immense flowers of fine form and substances. Extra fine.....Pkt. 15

GERMAN IMPERIAL MIXTURE. While the giant-flowered are great favorites, they do not carry all shades and colors which are found in our German mixtures. This is the florists' popular strain.....Pkt. 10c; 3 pkts. 25c; ½-oz. 75c

TRIMARDEAU. (Giant Pansies.)
White, with dark centers.
Black, King of the Blacks.
Yellow, a beautiful clear color
Blue, azure blue.
Purple, deep, royal purple.
Bronze, a fine golden bronze.
Mixed, many colors.

Each of the above 10c per pkt., the whole collection of seven for 50 cents.

Good Mixed. Made up of a great variety of colors. Pkt. 5c; oz. 50c

PASSION FLOWER. See page 62.

PETUNIAS. See page 62

PANSY PLANTS

Some people have neither the time nor inclination to raise Pansies from seed. We can furnish fine large flowered Pansy plants in the spring at 50 cents per dozen.

PHLOX DRUMMONDI

No flower excels this in all the qualities that make it a popular annual. The flowers are brilliant and of varied colors; it blooms profusely and continuously; is one of the last to succumb to the frosts of late October, and is excellent for bouquets. Taking everything into consideration, it should certainly be placed in the light of the half-dozen best flowers for garden decoration. Height 18 inches.

Mixed.....Pkt. 5c; oz. 60c

PHLOX DRUMMONDI GRANDIFLORA. Extra large flowering.

Alba, White.....Pkt. 10c; oz. $1.00

Star of Quedlinburg. Star-shaped flowers..Pkt. 10c

Mixed.....Pkt. 10c; oz. 80c

PHLOX DECUSSATA. Perennial Phlox.
Pkt. 10c

PINKS

(Dianthus)

Splendid large flowers of the most brilliant colors and markings; constantly in bloom from July until after severe frosts the first and also the second year. No flower exceeds this genius for a brilliant show of colors through the summer. Height 1-foot.

Chinensis (double China), mixed,
Pkt. 5c; ¼-oz. 15c; oz. 50c

Laciniatus (double Imperial), mixed,
Pkt. 5c; oz. 50c

Imperialis (double fringed), mixed,
Pkt. 5c; ¼-oz. 25c; oz. 50c

Heddewigii (single), mixed.....Pkt. 5c; oz. 75c

Heddewigii (double Heddewigii), mixed,
Pkt. 5c; oz. $1.00

Albus Flore Pleno (double white).....Pkt. 5c

Dianthus Plumarius (perpetual), June Pink, Clove or Grass Pink, hardy and fine for old-fashioned gardens.....Pkt. 5c

POPPY

Papaver

The Poppy is one of the old fashioned flowers that is coming black into popular favor. The many brilliant colors, the satiny texture of the flowers and their delicate foliage make them especially desirable for planting in masses. If the flowers are picked early in the morning when the dew is on them they will remain fresh in water all day.

The annual varieties should be sown early in the spring and should not be transplanted. As they bloom for about a week only it is best to make a succession of sowings.

The Oriental Poppy should be sown in the fall but the Iceland will bloom the first year if sown very early in the spring.

ORIENTAL HYBRID POPPIES. (Papaver Orientale.) For brilliancy of coloring there is nothing to equal these Oriental Poppies. The flowers are of enormous size, often measuring over six inches in diameter, while the colors range from soft flesh and rose to most brilliant, dazzling scarlet, and richest maroon purple. Their culture is simple as that of the common Garden Poppy. One of their most valuable properties is that they are perfectly hardy perennials, increasing in size and beauty from year to year.....Pkt. 10c

SINGLE AND DOUBLE MIXED POPPIES

A well-known flower of great profusion. Single and double mixed, a grand collection of annual varieties.....Pkt. 5c; oz. 20c

FAIRY POPPIES. The flowers are perfectly double, of large size and magnificent form. In colors the grand large flowers are pure white, glowing scarlet, light lilac, scarlet with white and black, rose and deep maroon. Double mixed. Annual.
Pkt. 5c

THE SHIRLEY POPPIES. (Papaver Rhaeas.) They are similar in every way to the wild scarlet Field Poppy of England and the continent, but the range of colors is so varied that scarcely two will be found alike. Annual.....Pkt. 5c

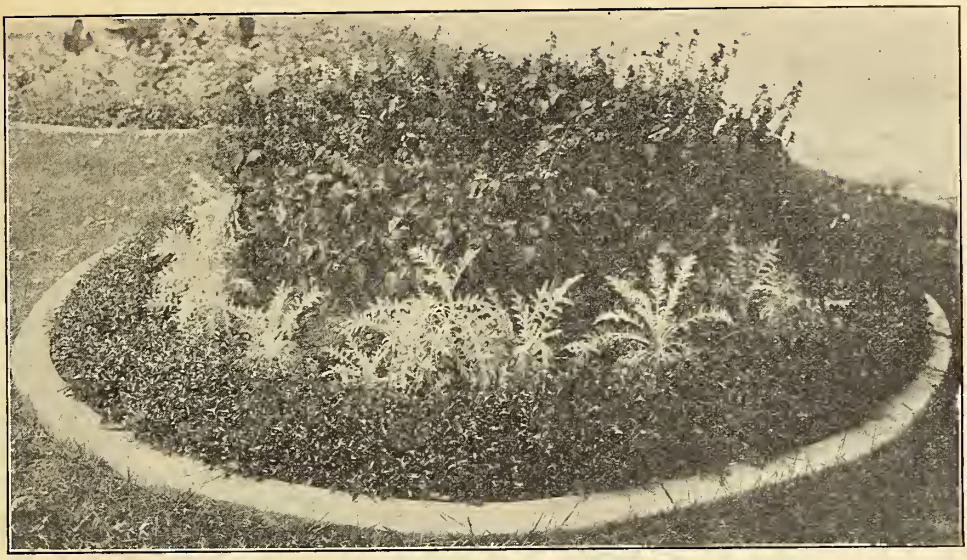
ICELAND POPPIES. (Papaver Nudicaule.) The delicate, fragrant flowers are exceedingly beautiful, and with their long stems are suitable for cutting. The plants are perfectly hardy, easily cultivated, and the lovely flowers are in bloom from early summer until fall.

Hardy Perennial, blooming the first year from seed.
Pkt. 10c

PORTULACA GRANDIFLORA. (Moss Rose.) There are scarcely any flowers in cultivation that make such a dazzling display of beauty as a bed of many-hued, brilliant-colored portulacas. They are in full bloom from about the first of July till killed by frost in the autumn. Plant in open ground after it has become warm in light soil and in a dry situation. After the plant appears withhold water, and if the plants have full exposure to the sun the ground will be covered with the plants and the effect will be beautiful. Tender annual. Height 9 inches.

Double Rose, mixed.....Pkt. 10c

Single. All colors mixed.....Pkt. 5c



A BED OF SALVIA SPLENDENS WITH BORDER

PRIMROSE. (Primula.) These are perhaps the most desirable of all house plants. They are in almost constant bloom all winter, and if the plants be transferred to the border they will bloom nearly all summer. Though perennial, few plants flower more continuously and seed should be sown every year. Give them a long time for growth before flowering, and do not force the young plants, but simply protect them from frost and damp and cutting winds. Height 9 inches.
Obconica.....Pkt. 10c
Sinensis, mixed.....Pkt. 15c

PYRETHRUM. (Insect Powder Plant.) Practical entomologists have long been looking for some effective, safe and cheap insecticide, and now tell us they have found it in the Persian insect powder. This is the dried and powdered flowers of the Pyrethrum Roseum and it is certain death to plant lice, flies, cabbage worms and nearly every form of insect life. It is harmless to man, but when diluted with ten times its bulk of flour kills every cabbage worm or other insect it touches. Height 1-foot.
Pyrethrum Roseum.....Pkt. 10c
Pyrethrum Aureum. This is the beautiful bedding plant with golden leaves called "Golden Feather." Pkt. 10c

RAGGED SAILOR. See Bachelor's Button.

RESEDA ODORATA. See Mignonette.

RICINUS. See Castor Beans.

SALPIGLOSSIS. A beautiful annual that deserves to be more widely known; when once grown in the garden, will be one of the first to be chosen for the next year. Flowers of the richest colors, blue, crimson, yellow, purple, scarlet, etc., with texture like rich velvet, each petal beautifully penciled. Splendid for bouquets. Height 2 feet.
Mixed colors.....Pkt. 5c

SCABIOSA ATROPURPUREA. (Mourning Bride.) One of the best flowers for bouquets; plants of dwarf habit and compact, the flowers borne upon long, wiry stems. A great variety of colors from white to very dark purple—almost black. In bloom from August till after severe frosts. Height 18 inches. Tender perennial.
Mixed colors.....Pkt. 5c

SALVIA SPLENDENS

(Scarlet Sage.)

The Salvia, or Flowering Sage, is a very ornamental plant, flowering in spikes and continues in bloom in the open ground until frost, when the plant can be removed to the greenhouse and will continue in bloom a long time. This variety is of the dwarf habit, and the spikes of flowers are not so large as some of the greenhouse sorts. Height 1½ feet. Tender annual.....Pkt. 5c

SCHIZANTHUS. This annual should be more widely cultivated. Flowers different shades of blue, curiously cut and delicately spotted; laced with crimson, white and yellow, etc. Adapted for garden and indoor culture. Excellent for bouquets. Height 18 inches.
Mixed colors.....Pkt. 5c

SENSITIVE PLANT. (Mimosa Pudica.) A curious plant manifesting sensations to the touch of any object that jars or stings the leaves or branches, stalks immediately drooping or folding together, as if possessed with life and an over supply of nerves, affording a source of amusement for the little and large folks. Height 1-foot. Tender annual.....Pkt. 5c

SILENE ARMERIA. See Catchfly.

SMILAX. (Myrsiphyllum Asparagoides.) No climbing plant in clutivation surpasses this for graceful beauty of its foliage. In cut flowers and for wreaths, etc., it is indispensable to florists. Height 10 inches. Tender annual..Pkt 10c; oz. 50c

STOKESIA CYANEA. (Corn Flower Aster.) This is one of the most charming and beautiful native hardy plants. The plant grows from 18 to 20 inches high bearing freely from early July until frost, its handsome lavender-blue Centaurea-like blossoms measuring from four to five inches across. We do not hesitate to state that Stokesia is one of the most valuable and desirable hardy plants offered. Pkt. 10c

SWEET PEAS

We are headquarters for strictly high-grade Sweet Pea Seed. Our growers give special attention to selecting and cleaning. We have orders from all parts of the United States for our selected strains, which are furnished at prices within the reach of all and as low as the ordinary stocks are priced by many.

CULTURE. Sweet Pea delights in a soil inclined to be clayey, and, as the little beauty is a gross feeder, a good supply of well-rotted manure should be mixed with the ground. Fall is the best season to prepare the soil. A good many failures are caused by manuring in the spring, for the reason that all pea vines like a moist ground, and the heat originated by the manure combined with the heat from the sun is too much for the young vines, which turn yellow and die. The best season to sow the seed is as soon in the spring as the ground can be worked. Late sowing produces rank growth, but few flowers. Dig a trench a foot deep by 16 or 18 inches wide and mix in it 6 inches of top soil with old manure. In this plant your seed in two rows, dropping one every inch or two; then cover with two inches of soil, gradually filling the trench as they grow. One side has to be a little lower to allow the surplus water to drain off. The flowers must be picked every day if you want them to bloom through the summer. Bone dust and nitrate of soda will hasten the time of flowering.

Sweet Peas Up to Date, by Hutchins. A complete treatise on Sweet Pea culture. 10 cents postpaid.

ORCHID-FLOWERED VARIETIES

Spencer Sweet Peas have extra large flowers that are beautifully waved and crumpled at the edges of the standard and wings. Be sure and plant at least a few of these varieties. After you have seen these beautiful Spencers you will have no others.

DUPLEX PINK SPENCER. One of the latest. A very large, wavy, cream pink flower with double or duplex standards.

IRISH BELLE SPENCER. A gorgeous lilac, flushed with pink.

WHITE SPENCER. Large extremely beautiful white flowers. The very best white variety.

AMERICAN SPENCER. Red, striped with white. Very effective.

MRS. ROUTZAHN SPENCER. A beautiful blending of soft straw color, tinted with blush pink and shading to apricot.

OTHELLO SPENCER. Deep maroon. Flowers very large and the plant a strong grower.

KING EDWARD SPENCER. Very large dark flowers of the genuine Spencer type. Very fine.

AURORA SPENCER. Flower a cream white beautifully flaked and mottled with rich orange crimson. A very pleasing effect.

GLADIS UNWIN. Flowers are large, of bright pink color, with unusually long stems.

PHYLLIS UNWIN. Color of a rich, rosy carmine with crimped and wavy wings.

Prices of any of the above, 10c per pkt.; 20c per oz.; 60c per ¼-lb.

SPECIAL MIXTURE OF SPENCER VARIETIES

We are offering this excellent mixture for the benefit of those who would like to plant some of these magnificent Spencers, but do not care for separate colors. This mixture is composed of the best and most popular Spencers and will certainly give satisfaction.....Pkt. 10c; oz. 20c; ¼ lb. 50c

SWEET PEAS—Continued

GRANDIFLORA VARIETIES

WHITE

EMILY HENDERSON. A fine persistent bloomer.

BLANCHE BURPEE. A splendid pure white variety.

DOROTHY ECKFORD. One of the best of the whites.

MONT BLANC. Earliest of the white varieties.

YELLOW

MRS. ECKFORD. Beautifully shaded. A vigorous grower.

PINK AND WHITE

EARLY BLANCHE FERRY. A beautiful pink and white flower. Very early.

PINK

KATHERINE TRACY. A soft but brilliant pink.

LOVELY. A delicate shell pink, tinged with yellow; often four flowers to the stem.

MODESTY. White with a touch of pink at the edges.

ROSE

HER MAJESTY. Large, hooded flowers, often four to the stem.

SCARLET

KING EDWARD VII. A dark, rich red. Very beautiful.

SALOPIAN. Very bright scarlet with large flowers.

LAVENDER

LADY GRISEL HAMILTON. One of the very best of the lavenders.

MAROON

BLACK NIGHT. Very deep maroon. An improvement on Boreatton and the standard among the maroons.

BLUE

CAPTAIN OF THE BLUES. Bright purple blue.

NAVY BLUE. The large flowers are of a rich violet purple, giving them the effect of dark navy blue.

FLORA NORTON. Bright, clear blue.

VARIEGATED

AMERICA. Scarlet stripes on white. Very effective.

JAUNITA. The standard is mauve and the wings lavender. Both are striped.

Prices of any of the above: 5c per packet, 6 packets for 25c; 12 packets for 40c; 10c per ounce, 3 ounce packets for 25c; ¼-lb. 30c; per lb. $1.00. All postpaid.

DOUBLE VARIETIES

It has been a difficult task to change the habit of the Sweet Pea by hybridization and selection to the double form, and much remains to be done. The result at best is really a semi-double flower. The best varieties we have will not produce more than half the doubles, others remaining of the usual single type. We furnish them mixed.

Pkt. 5c; oz. 20c; 2 oz. 30c; ¼-lb. 50c

EVERLASTING PEAS

A perennial climber producing a succession of white rose and purple blossoms in clusters. Suitable for trellises, arbors, etc. Hardy perennial. Height 5 feet.

Mixed colors.....Pkt. 5c; oz. 25c

DWARF VARIETIES

CUPID SWEET PEAS. A decided acquisition in Sweet Peas. Grows to a height of about 10 inches, suitable for bedding and borders. The blossoms are smaller than those of tall bush varieties.

White Cupid. Pure white blossoms.
Pkt. 5c; oz. 20c; 2 oz. 30c; ¼-lb. 50c

Pink Cupid. Same as preceding, differing in color only.....Pkt. 5c; oz. 20c; 2 oz. 30c; ¼-lb. 50c

Mixed Cupids. Contains many colors. Prices same as for Pink and White Cupids.

SWEET PEA MIXTURES

"O. K." MIXTURE. This mixture put up by us under our celebrated "O. K." brand; is the very best. It is made up of a great many named varieties, selected and mixed by us. This is an extra fancy mixture and should not be classed with the ordinary mixtures on the market.

Pkt. 5c; oz. 10c; 2 oz. 15c; ¼ lb. 25c; lb. 75c

THE NATIONAL MIXTURE. Red, White and Blue; consists of Salopian, Blanche Burpee, and Navy Blue. Try some in your garden next year. It will make a fine show.

Pkt. 5c; oz. 15c; 3 oz. 25c; ¼-lb. 35c

ECKFORD'S MIXED. The standard mixture of many colors. Pkt. 5c; oz. 10c; 2 oz. 15c; lb. 70c; 5 lbs. not prepaid $3.00.

LIGHT COLORS ONLY

From named varieties, mixed to order.....Pkt. 5c; oz. 15c; 2-oz. 25c; ¼-lb. 40c

SUNFLOWERS. See Helianthus.

SWAN RIVER DAISY. See Brachycome

SWEET SULTAN. (Centaurea Moschata.) A handsome annual with fragrant flowers, borne on long, slender stems. Their fragrance and habit of growth adapt them finely for bouquets. In bloom from July until October. Height 2 feet...Pkt. 5c

SWEET WILLIAM

(Dianthus Barbatus)

The improved varieties of this popular flower are very beautiful, and should find a place in every garden. A great variety of rich flowers, eyed and variegated with other shades forming large trusses of blossoms, remaining a long time in bloom. A bed of Sweet Williams is very attractive the last of June and the first of July, a time when but few other flowers are in bloom. Hardy perennial. Height 18 inches.

Single mixed.....Pkt. 5c
Double mixed.....Pkt. 10c

TASSEL FLOWER. See Cacalia.

THUNBERGIA ALATUM. (Climbing Black-eyed Susan.) A trailing or climbing plant with flowers of various shades of yellow and white, having a dark center, or eyes. Particularly adapted for vases or hanging baskets, for plaza decorations, etc. Height 4 feet.....Pkt. 10c

TROPAEOLUM CANARIENSE. See Canary Bird Flower.

TEN WEEKS STOCKS

(Cherianthus Matthiola)
Cut and Come Again

Plants grow about one foot high, making a compact bush covered with splendid spikes; in bloom from July till frost. This seed is of our own importation from the most celebrated German growers of these flowers, saved only from the selected pot plants, and will produce the largest proportion possible of large double flowers, in the most brilliant colors and varieties. Half-hardy annual. Height 1-foot.

Dwarf German Double, mixed colors, Pkt. 10c; ¼-oz. 75c
Single, mixed.....Pkt. 10c; ¼-oz. 60c

VERBENA. The most popular bedding plant grown from seed. The fine varieties of colors with stripes and markings of different shades, profuse and long continued bloom, and excellent for bouquets, making them one of the most desirable annuals in the catalog for general culture. Grown from the seeds, the plants will bloom more profusely than those produced from cuttings.

Mammoth Verbenas in the following colors: White, pink, purple, blue, scarlet, each..Pkt. 10c
Mixed colors.....Pkt. 5c; ¼-oz. 25c; oz. 75c

VIOLET. (Viola Odorata.) The violet should not be wanting in any garden on account of its fragrance and early appearance. A single flower will perfume the whole room. Succeeds best in a shady place, and can easily be increased by dividing the roots. The violet is an emblem of faithfulness, Hardy perennial. Height 4 inches..... Pkt. 10c

WILD GARDEN FLOWER. (A mixture of all kinds of flower seeds.) Anyone who has planted and cultivated flowers in neatly laid out beds and borders is aware of the labor and constant care and attention required to produce the desired effect. To those who cannot give it this care, "The Wild Flower Garden" presents a substitute which for its unusual and varied cheapness, and the small amount of labor necessary for its construction, has no equal. The seeds we offer for the "Wild Flower Garden" are a mixture of over 150 different varieties, and being mixed, can be offered at a much cheaper price than when sold in separate packages. No one not having such a bed can form an idea of its beauty, the different seasons of bloom insuring something new almost every day.....Large pkt. 10c; ¼-oz. 15c; ½-oz. 25c

VINCA. If seed is sown early the plants will bloom the first summer. They can be taken up in the fall and kept in the house throughout the winter.....Mixed colors, pkt. 5c

WALL FLOWER. (Cherianthus Cherri fl pl.) The massive spikes of the Wall Flower are very conspicuous in beds and borders, and are very useful in making bouquets. They are deliciously fragrant, perfectly double and combine many shades of color—the orange, purple and chocolate predominating. Height 18 inches. Tender perennial.

Double, mixed.....Pkt. 10c
Single, mixed.....Pkt. 5c

WHITLAVA GRANDI-FLORA. An elegant annual with delicate foliage and a drooping cluster of rich dark blue and white bell-shaped flowers. Is fine for baskets and vases and for piazza decoration is one of the best, flourishing well in partly shaded situation. Height, 1 foot.....Pkt. 10c

WISTARIA VINES (Glycine Sinensis.) One of the quickest growing climbers, of fine, bright foliage, producing bunches of rose lilac flowers in great abundance during spring. If once started, it will live for years. Hardy perennial. Height 20 feet. Pkt. 10c

XERANTHEMUM. A popular flower of the immortelle class, blooming freely in common soil. Plant is of compact habit with flowers borne on long stems. Colors: white, purple, yellow and light blue. Hardy annual. Height 1-foot.

Mixed.....Pkt. 5c

ZINNIA ELEGANS, DOUBLE

Zinnia Elegans Flore Pleno

Very few flowers have such a long period of popularity as has this old-fashioned Zinnia.

Fine, large flowers, of great variety of colors—red, rose, crimson, scarlet, purple, orange, white and yellow; the flowers are full double as a Dahlia, remaining in bloom from July till after frost. Make a dense hedge, covered with bloom. Height 2 feet. Half-hardy annual.

DOUBLE VARIETY MIXED. This is made up of the best and showiest double varieties. Pkt. 5c

NEW ZEBRA. Striped like the animals of distant lands, the name of which it has. Pkt. 10c

NEW MINIATURE ZINNIA. The most dainty and ornamental miniature Zinnia in existence. It is of truly Lilliputian growth, the plants growing from 3 to 4 inches in height only. At the same time these pretty little plants display a perfection in leaves, flowers and growth generally not often met with in this class of the Zinnia.

The mixture which we offer to our customers this year contains all the popular colors that can be found amongst the tall Zinnias, and the profusion of the blossoms make it an exceedingly showy variety in every garden.

Indispensable for borders around small flower beds, where larger plants would spoil symmetrical forms. The plants themselves are splendidly adapted for bedding purposes, as they stand transplanting readily, and when in bloom some beautiful beds of finest color combinations can be created.

Mixed, colors.....Pkt. 10c

SPECIALS

Include at least one of these in your order. It is money well spent.

MIXED CLIMBERS. Includes Nasturtiums, Sweet Peas, Japanese Hops, Cypress Vine, etc., just what you want to cover an old fence, stumps, trellises, etc.....Pkt. 10c; ½-oz. 25c

EVERLASTING FLOWERS MIXED. All the popular Everlastings. You cut them when in bloom, and they keep all winter.....Pkt. 10c

NASTURTIUMS. We give 6 packets of any kind for 25c; 12 packets for 40c. Your choice from page 61.

PANSIES. Seven of the finest giant-flowered Pansies, one packet each for only 50c.

SWEET PEAS. Six separate packets for 25c; 12 packets for 40c; three 1-ounce packages for 25c. Your choice from pages 66 and 67.

SUMMER FLOWERING BULBS. Order a few Gladioli, Tuberoses or Caladiums and you'll not regret it. Every August we issue a Fall Bulb Catalog. If you have not been receiving it, write for it next fall and set out a few Hyacinths and Tulips.

SELECTED SUMMER FLOWERING BULBS FOR SPRING PLANTING

Prices are Postage Paid Unless Otherwise Noted

CRIMSON KING. A large, deep crimson flower and a good bloomer.

CATHARINE. A well formed, clear yellow. One of tbe best of the yellows and a fine bloomer.

FLORADORA (Cactus with twisted petals). Bright, blood red. Very fine.

KRIEMHILDE (Cactus with twisted petals). Brilliant pink with white center.

STRIPED BANNER. Brilliant red, striped witb wbite. A beautiful flower.

DAHLIAS

We offer dormant field grown roots or bulbs of a few of tbe very best varieties. Dahlia bulbs sbould be planted in well drained soil tbat has been spaded deep and 4 to 6 inches deep and about two feet apart. They should be planted about tbe last of April or first of May when soil is warm. Stir the soil after each rain, but do not water freely until blooms appear.

DELICE. Its beautiful soft, yet lively color, a glowing rose-pink, together witb its perfect shape, stout, stiff stems which hold the flowers well above the foliage, and tbe fact that wben cut it retains its fresbness longer than any variety we know of, makes this one of the most valuable for cutting, and one of the most decorative sorts in the garden.

GRAND DUKE ALEXIS. A magnificent Dahlia of the largest size. Its petals are beautifully quilled, giving it a very unique appearance. Its color is pure white, if slightly sbaded, but overspread witb delicate lavender when grown in bright sunlight. Undoubtedly one of the best of the show varieties.

SYLVIA. A soft, pleasing mauve pink changing to wbite. Flowers measure five inches and are of fine form. The plant is strong and a constant bloomer.

Prices of any of the above postpaid at 15c each and $1.50 per dozen.

We can furnish mixed bulbs at 10c each and $1.00 per dozen.

CALADIUM ESCULENTUM. (Elephant's Ear.) One of the most effective plants in cultivation, for planting out on tbe lawn, growing 6 feet bigh with handsome leaves, often 3 feet long and 20 inches wide. Will thrive in any garden soil, but for best results should be set in good soil and given plenty of water. Can be stored in sand during the winter. Large bulbs.....Each 25c; doz. $2.50

BEGONIA. Handsome young flowering bulbs of rich, varied colors, ranging from delicate yellow and salmon to crimson. Early bloomers, in full bloom until early frost. Grow best in soil composed of leaf mould and sand and a small portion of well-rotted cow manure.
Single, each 10c; doz. $1.00; double, each 15c; doz. $1.50.

CINNAMON VINE. A charming climber with heart-sbaped leaves and cinnamon-scented flowers, making a perfect bower of beauty. It thrives anywhere, and when once planted will grow for years. They are grown from roots or tubers, and will grow in any locality.....Each 5c; doz. 50c

GLOXINIA. This plant is very ornamental on account of the richness of its foliage and its ample, graceful and delicately tinted flowers. The soil should be porous and very rich, and tbe bulbs, being small, should be planted shallow. They grow best in a warm, moist atmosphere, but to produce tbe finest colors they should be shaded, or grown in a nortbern exposure.
Imported separate colors.....Each 10c; doz. 90c

WHITE CALLA. The Calla is one of the best flowering plants for room culture, needing little care beyond abundant water, and an occasional washing of tbe leaves to keep tbem free from dust. Take a four or five-inch pot, fill it with good, rich loam (one-half leaf mould and one-half good garden soil), then put in the bulb and cover one inch below the surface, water good and place in a dark place for three or four weeks. As soon as it starts growing bring to the ligbt.....Each 15c; 3 for 40c

HYACINTHS CANDICANS. The flowers are bell-shaped and pendulous, pure wbite, and fragrant. Plant is hardy and grows stronger each year.
Each 5c; doz. 50c

TUBEROSES. Most delightful, fragrant and beautiful summer flowering bulbs. Flowers wavy, wbite and sweet-scented. Plant is fond of light and heat. Plant outside after April 1.
Each 5c; doz. 40c

LILY OF THE VALLEY. The Lilly of the Valley is a sweet little plant, thriving in any common soil; it will do well in any shaded situation, wbere few other plants will tbrive.....Each 5c; doz. 30c

MADEIRA VINE. Madeira Vine is a popular and favorite tuberous rooted climber of rapid growth, with dense and beautiful foliage. It grows everywhere, but does better in warm, sunny locations.....Eacb 5c; doz. 40c

CANNAS. Combining grand tropical foliage with large and brilliant flowers. The Canna is one of the most showy bedding plants. The large flowers and varied colors double their popularity.
Eacb 5c; doz. 50c

GLADIOLUS. We are large growers of these bulbs and supply only varieties and mixtures that we know are the best to be obtained and sucb as will give complete satisfaction....Each 5c; doz. 30o

SUMMER FLOWERING BULBS—Continued

HARDY LILIES

On account of their distinct and exquisite type of beauty, no garden should be without a few lilies. Price for each of the following varieties, 20c each; $2.00 per dozen.

We shall be pleased to send one fine bulb of each of the four varieties for 65 cents postpaid. Be sure to profit by this generous offer.

LILIUM SPECIOSUM ALBUM. Large flowers of pure white color and delicious fragrance. The petals are curved and give the whole plant a particularly graceful appearance.

LILIUM LONGIFLORUM. Very much like the Bermuda Easter Lily. Flowers trumpet-shaped and very fragrant. A fine acquisition.

LILIUM RUBRUM. Flowers white with a deep, rosy crimson band on each petal with deep-colored spots between; 5 to 6 inches in diameter.

LILIUM AURATUM. The "Golden Banded Lily of Japan." Petals are clear white with golden yellow stripes in center, spotted heavily with crimson at the base.

PAEONIES

Paeonies are absolutely hardy, and after once being firmly established, will take care of themselves, making larger plants and producing a greater number of flowers year after year. Their culture is the easiest, any good garden soil being fit for the development. Should there be a prolonged drought in the spring, water them a few times, as this will promote a strong, healthy growth of foliage, which is necessary to insure perfect blooming qualities.

The following selected varieties have been chosen from hundreds of splendid sorts, and we can safely call them the "cream" of the best and most widely cultivated. All have been grown on Kansas soil for years, are thoroughly acclimated, and can, we are sure, be successfully raised by every garden lover. Time of blooming, May-June.

CULTURE. Plant them from 5 to 6 inches deep, 2 to 3 feet apart, putting some well-rotted manure in the bottom of each hole. Press the ground carefully around the roots, being careful not to break the crown. Water the spots in the spring if the weather is dry.

PAEONIES

	Each	Doz.
NE PLUS ULTRA. A beautiful variety of a soft rose or flesh color, changing to almost pure white	$0.25	$2.50
FESTIVA MAXIMA. One of the grandest varieties in existence. The standard of perfection in Paeonies. It is a strong flower, very early, free flowering and very fragrant. The magnificent flowers are of a delicate pure white color, with some of the center petals flaked with carmine. The most popular white Paeony today	.35	3.50
FLORAL TREASURE. This variety has few, if any, superiors as a cut flower. It is an excellent bloomer, bearing fine, large blossoms on strong, stiff stems. Color of flowers a bright light pink	.35	3.50
FRAGRANT ROSE. Of dark red color, very fragrant and a late bloomer	.25	2.50
GOLDEN HARVEST. (Jeanne d'Arc.) Exceptionally free flowering and very showy. The attractive blossoms are of a clear yellow color with blush guards, while the center is white with carmine tips. One of the earliest and best	.35	3.50
HUMEI. A late flowering sort of rich, brilliant rose color. Very fragrant and exceedingly free flowering. Blossoms are very large	.25	2.50
L'ESPERANCE. A splendid variety for florists, as it is an excellent bloomer and fragrant as a rose. The flowers are of dark rose color, very compact and of splendid shipping and keeping qualities. Altogether a most profitable variety for cutting	.25	2.50
QUEEN VICTORIA. Very early, white, and extremely popular with florists. It produces white flowers with creamy centers tipped with red	.25	2.50
AMERICAN BEAUTY. A late bloomer. The plants are of robust growth and produce extra large, very full blossoms. Color, a deep blood red	.35	3.50
LADY BRAMWELL. Produces large flowers of a beautiful silvery rose color	.25	2.50
DOUBLE WHITE MIXED. This lot contains many unnamed seedlings of surprising beauty	.20	2.00
DOUBLE PINK, RED AND ROSE MIXED. Containing a splendid assortment of the most brilliant shades and colors	.20	2.00

BEDDING PLANTS

We are large growers of hardy and annual bedding plants. We generally have these ready for shipment about April 1st. On account of the tenderness of some of these plants, it is best to ship them by express. Prices quoted are f. o. b. Oklahoma City. We can furnish them at the following prices:

	Per Dozen
Ageratum—Little blue star	$ 0.75
Antirrhinum (Snapdragon) — White, pink, Yellow and red	.75
Asters—Large flowering, all colors	.75
Begonia—Pink and rose	.75
Carnation—All colors	1.00
Centaurea (Dusty Miller)	.75
Coleus—Variegated colors	.75
Chrysanthemums—Large flowering, all colors	1.00
Daisy—English Mammoth	.75
Dianthus Pinks—Hardy	.75
Geraniums—Out of 3 in. pots, all colors	1.00
Heliotrope—Purple	.75
Hollyhock—Hardy	$ 0.75
Golden Glow (Rudbeckia)—Hardy	1.00
Marguerites—White	1.00
Petunias—All colors	.75
Pansy—Giant flowering	.50
Phlox Drummondi—Mixed	.75
Phlox—Hardy, red, white and pink	1.25
Salvia (Scarlet Sage)	75c to 1.00
Verbena—All colors	.75
Lantana—Half-hardy	1.00
Moonflower Vine	1.00
Mint, Spearmint—Hardy	.75
Vinca—White and pink	1.00
Violet Plants—Sweet scented	.75
Wandering Jew	.75

GREENHOUSE PLANTS

During the fall and winter months, we always carry a fine line of potted plants, both blooming and ornamental. We can furnish any of the following on short notice. All prices quoted on potted plants are f. o. b. Oklahoma City. No plants will be sent by parcel post at our risk. We advise to have all plant orders shipped by express.

	Each
Asparagus Plumosus, 3-inch pots	$0.35
Asparagus Plumosus, 4-inch pots	.65
Asparagus Sprengeri, 3-inch pots	.35
Asparagus Sprengeri, 4-inch pots	.50
Azalea Plants, all colors	$ 2.00 to 4.00
Begonias, Glorie de Lorraine	1.00 to 1.50
Boston Ferns, bushy and well formed	.25 to 1.00
Nephrolepsis Whitmani	.50 to 1.50
Ficus Elastica, rubber plants	.75 to 1.50
Geraniums, all colors	.25 to .50
Heliotrope, 3-inch pots	.60
Hydrangeas, large, full bloom	2.00 to 3.50
Christmas Peppers	.50 to 1.00
Palms, Kentia Belmoreana	2.50 to 5.00
Pandanus Veitchii	.75 to 1.50
Tabb Cocos Palms, Weddeliana, 3-inch pots	.65
Carnation Plants, full bloom	.75
Daisy, Shasta, assorted sizes	.50 to 1.00
Chrysanthemums, all colors	.50 to 1.50
Primrose, 3-inch pots	.35
Primrose, 4-inch pots	.75
Cineraria, all colors, 3 to 6-inch pots	.65 to 1.50
Cyclamen Plants	.75 to 1.50

HANGING BASKETS

We make up a fine assortment of Hanging Baskets, filled with blooming and ornamental plants. We can furnish either in wire or earthenware. All sizes from 6-inch to 18-inch, from $1.25 to $5.00 each.

CUT FLOWERS FOR FUNERAL AND OTHER OCCASIONS

Our cut flower department is the largest and best equipped in the Southwest. We can furnish, at all times, fresh cut flowers for every occasion. We take orders at all times—day or night—for funerals. Call us up over long distance phone and we will get your orders off on the next train. The following are some of our prices at which we can furnish design work. Prices are f. o. b. Oklahoma City.

Flat Spray of Carnation with ribbon	$ 2.00 to $ 3.00
Flat Spray of Roses with ribbon	3.00 to 4.00
Flat Spray of Easter Lilies, 12 to 15 blooms	4.00 to 5.00
Floral Pillow, nicely arranged, 14 to 16-inch	5.00 to 7.00
Floral Wreath, with assorted flowers, 14 to 16-inch	4.00 to 6.00
Wreath on Stand, with assorted flowers, 15 to 18-inch	7.50 to 10.00
Casket Cross, 20 to 24-inch	7.00 to 10.00
Broken Column, with White and Pink Carnations, 18 to 22-inch	11.00 to 14.00
Gates Ajar, handsomely made up, 28 to 31-inch	20.00 to 24.00

The above list is only a small assortment of designs that we can furnish. We are at all times prepared to make up special designs for Lodges, Societies, etc., for all occasions.

NURSERY STOCK

SPECIAL NURSERY CATALOG MAILED ON REQUEST

We are giving special attention to nursery stock this season and it will pay you to investigate our line. We will furnish first-class stocks only and in ordering from us you will get the very best to be had.

PRICES: It is easily understood that the cost of producing stock is about the same for one nursery as for another. Where we have the advantage is in the cost of selling. Where you buy from an agent you have to help pay his salary or commission and also his traveling expenses. In buying from a Nursery mail order house you must help pay for the entire nursery catalog. As we are already printing our seed catalog it costs us very little more to include the nursery stock, and therefore our cost of selling is practically nothing. Take advantage of this and get first-class stocks at the very lowest possible prices.

TERMS: Our terms, as for seed orders, are cash with order, prices include packing in first-class manner and delivery at express or freight office here, purchaser to pay transportation charges.

APPLES

PRICES OF ALL VARIETIES

Standard First Class, 5 to 6 feet.....50c each, $3.50 per 10, $25.00 per 100
Standard First Class, 4 to 5 feet.....50c each, 3.00 per 10, 20.00 per 100

Early Varieties. Early Harvest, Red June, Yellow Transparent, Red Astrachan.

Summer Varieties. Maiden Blush, Rambo, Grimes Golden, Pippin.

Winter Varieties. Winesap, Missouri Pippin, M. B. Twig, Rome Beauty, Arkansas Black, Ben Davis, Banana, Jonathan, W. W. Permain, N. W. Greening, Stayman Winesap.

Crab Apples. Transcendent, Hyslop, Whitney, Red and Yellow Siberian.

PEACH

PRICES OF ALL VARIETIES

First-Class, 5 to 6 feet.....50c each, $3.50 per 10, $25.00 per 100
First-Class, 4 to 5 feet.....40c each, 3.00 per 10, 20.00 per 100

Early Varieties. Mayflower, Alexander, Greensboro, Triumph, Carman, Early Crawford.

Medium Varieties. Stump of the World, Mamie Ross, Champion, Elberta, China Cling, Heath Cling, Slappy.

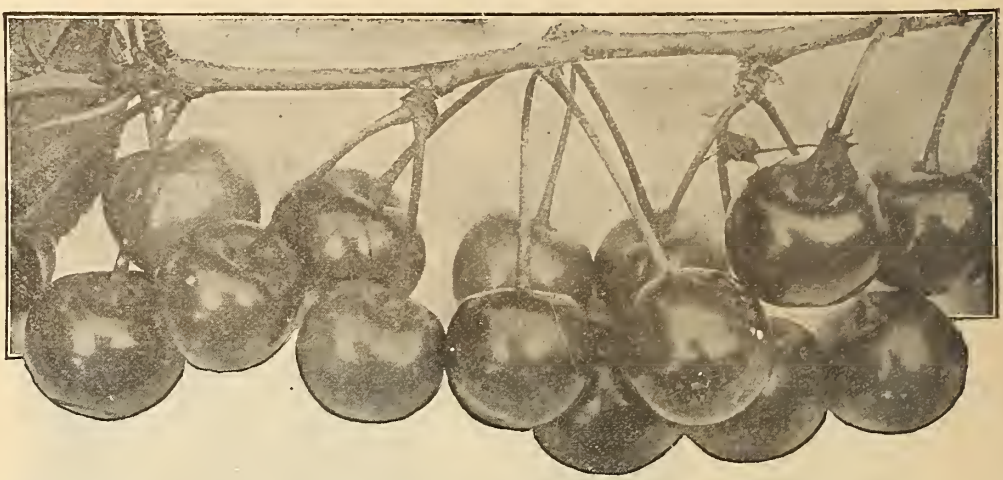
Late Varieties. Salway, Smook, Crummels October, Picquet's Late, Stinson October.

NECTARINES

Boston—5 to 6 feet.....50c each, $3.50 per 10, $25.00 per 100
Boston—4 to 5 feet.....40c each, 3.00 per 10, 20.00 per 100

NURSERY STOCK—Continued

CHERRIES



PRICES OF ALL VARIETIES

First Class, 5 to 6 ft.....50c each, $4.00 per 10, $35.00 per 100
First Class, 4 to 5 ft.....40c each, 3.50 per 10, 30.00 per 100
Early Richmond, Montmorency, May Duke, English, Morello, Baldwin, Black Tartarian, Gov. Wood.

PEARS

PRICES OF ALL VARIETIES

First Class, 5 to 6 ft.....50c each, $4.00 per 10, $35.00 per 100
First Class, 4 to 5 ft.....40c each, 3.50 per 10, 30.00 per 100
Standard Pears—Kieffer, Garber, Duchess, Bartlett, Wilder, Clapp's Favorite.

PLUMS

PRICES OF ALL VARIETIES

First Class, 5 to 6 ft.....50c each, $4.00 per 10, $35.00 per 100
First Class, 4 to 5 ft.....40c each, 3.50 per 10, 30.00 per 100
Abundance, Burbank, Wickson, Red June, Wild Goose, Green Gage, Damson, Satsuma, Gold Monarch.

APRICOTS

PRICES OF ALL VARIETIES

First Class, 5 to 6 ft.....50c each, $4.00 per 10, $35.00 per 100
First Class, 4 to 5 ft.....40c each, 3.50 per 10, 30.00 per 100

GRAPES

Concord, Niagara, Worden, Agawan, Moore's Early, Diamond.....$1.50 per doz.; $7.00 per 100

GOOSEBERRIES

Houghton, Downing.....25c each, $2.00 per dozen

CURRANTS

Red Dutch, Wilder, Cherry.....25c each, $2.00 per dozen

RASPBERRIES

Kansas, Gregg, London, Miller
75c per doz.; $3.50 per 100

BLACKBERRIES

Early Harvest, Kittatiny, Snyder, Dallas.
75c per doz.; $2.50 per 100

DEWBERRIES

Austin, Lucretia.....75c per doz.; $2.50 per 100

STRAWBERRIES

Grandy, Senator Dunlap, Excelsior, Lady Thompson, Aroma, Texas.....$1.00 per 100; $6.50 per 1,000

NURSERY STOCK—Continued

ORNAMENTAL TREES AND SHRUBS

ROSES

2 to 3 years old, 35c each; $3.00 per doz.

Everblooming. American Beauty, La France, Meteor, Etoile DeLyon, White Cochet, Pink Cochet, Kaiserin Augusta Victoria, White Killarney, Pink Killarney, Helen Gould.

Hardy Climbing, Crimson Rambler, White Rambler, Pink Rambler, Dorothy Perkins.

CLEMATIS

Two-year-old, 40c each; $3.00 per doz.

Paniculata white, Jackmania deep purple, Henryi white, Mme. Edward Andre violet red.

HONEYSUCKLE

2-year-old, 40c each; $3.00 per doz.

Hall's Japan, Chinese, Golden Leaf.

WISTARIA VINES

2-year-old, 40c each; $3.00 per doz.

Chinese, White and Purple.

TRUMPET VINES

2-year-old, 40c each; $3.00 per doz.

Tacoma Radicans.

HARDY SHRUBS

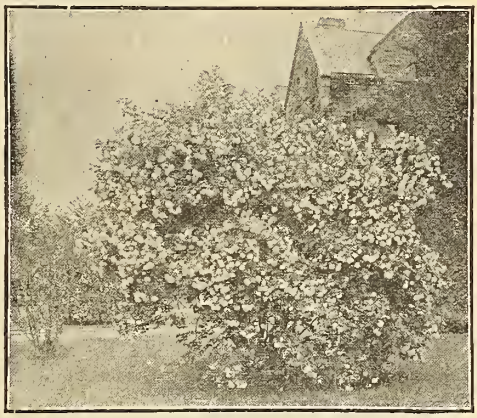
	Each	Per 12
Althea—Rose of Sharon, Red, White, Pink	40c	$3.00
Snowball	40c	3.00
Syringa Philadelphus	40c	3.00
Japan Quince	40c	3.00
Weigelia—Rosea, Era Rathka, Variegated	40c	3.00
Deutzia—Pride of Rochester	40c	3.00
Spirea—Van Houttei, Billardy	40c	3.00
Hydrangea—Paniculata Grandiflora	40c	3.00
Lilac—Persian, common	40c	3.00

CALIFORNIA PRIVET

Three-year-old, 2½ to 3 ft. . $1.00 per dozen.; $6.00 per 100

Two-year-old, 18 to 24 inches. . 75c per doz.; $4.00 per 100

One-year-old, 12 to 18 inches. . 50c per doz.; $3.00 per 100



SNOWBALL

ARBOR VITAE

Pyramidal, 18 to 24 in. 50c each; $5.00 per doz.

ORNAMENTAL TREES

Everbearing Mulberry, Hicks Downing, 2-year, 6 ft. and up	$0.75 each,	$ 6.00 per ten
Bungli Catalpa, 2-year, 6 to 7 ft	1.50 each,	12.00 per ten
Bungli Catalpa, 2-year, 5 to 6 ft	1.25 each,	10.00 per ten
Bungii Catalpa, 1-year, 5 to 6 ft	1.00 each,	7.50 per ten
Teas Weeping Mulberry, 2-year, 5 to 6 ft	1.50 each,	12.00 per ten
Teas Weeping Mulberry, 2-year, 4 to 5 ft	1.00 each,	8.50 per ten
Wlsconsin Weeplng Willow, 2-year, 6 to 7 ft	.75 each,	6.00 per ten
Wisconsin Weeping Willow, 2-year, 5 to 6 ft	.60 each,	5.00 per ten

SHADE TREES

Elm, Sycamore and Soft or Silver Maple:	Each	Per 10	Per 100
10 to 12 ft., 2 to 2¼ inches	$1.50	$12.50	$100.00
10 to 12 ft., 1¾ to 2 inches	1.25	10.00	75.00
9 to 10 ft., 1½ to 1¾ inches	1.00	7.50	60.00
9 to 10 ft., 1¼ to 1½ inches	.75	6.00	40.00
7 to 8 ft., 1⅛ to 1¼ inches	.50	4.00	35.00
6 to 7 ft., 1 inch and up	.35	3.00	25.00
Catalpa, Black Locust, Ash, Ailanthus, Russian Mulberry, Smooth-Shumac, Carolina and Lombardy Poplar:	Each	Per 10	Per 100
10 to 12 ft., 2 to 2¼ inches	$1.25	$10.00	$85.00
10 to 12 ft., 1¾ to 2 inches	1.00	8.50	65.00
8 to 10 ft., 1½ to 1¾ inches	.75	6.50	50.00
8 to 9 ft., 1¾ to 1½ inches	.50	4.00	35.00
6 to 7 ft., to 1¼ inches	.35	2.50	20.00

ALFALFA

The Most Profitable Crop on the Farm

The picture shown above was taken in August, 1916, during the worst drought Kansas has had in many, many years. Neighboring fields of corn were entirely burned up but this field of Alfalfa was green and ready for the third cutting.

Alfalfa is now being grown in every state in the Union but it is in the Middle West where it has found it's real home. Kansas has the largest acreage of Alfalfa, Nebraska is second and Colorado is third. The value of the Kansas Alfalfa hay crop in 1915 was $28,500,000.

Hon. J. C. Mohler, Secretary of Kansas State Board of Agriculture, in speaking of Alfalfa, says as follows: "As a tame-hay plant it stands supreme in longevity, yields, feeding value, soil-building and economy, and in adaptability to wide variations of soil and climate."

Alfalfa not only produces a hay crop of from 3 to 10 tons per acre, a valuable seed crop, but at the same time enriches the soil on which it is growing. The U. S. Department of Agriculture says that in two years Alfalfa adds $100.00 to the value of every acre on which it grows.

Alfalfa is essentially a dry land crop and will do well on any well drained soil. It will not do well on wet land as here the weeds get ahead of it and choke it out. Chinch bugs do not bother Alfalfa.

Alfalfa is sown either in the spring or in the fall and should be sown at the rate of from 15 to 20 pounds per acre on soil that is thoroughly prepared. The seed bed should be firm and moist. The surface should be loose, mellow and finely pulverized. The field should be as smooth as it is possible to make it and without depressions. Our Alfalfa Booklet gives considerable information in regard to sowing the seed and handling the crop. It is free for the asking.

Alfalfa is the most expensive crop to prepare for well, and to plant, that we have in Kansas, and it is at the same time our most profitable and certain crop when properly prepared for and when a good stand, free from weeds, is obtained on rich, fertile soil. Under these conditions the quality of the seed is of utmost importance. Poor seed may not only give you no stand, but it may do that which is many times worse, and that is, bring to your farm a host of noxious weeds.

We have been handling Alfalfa Seed since 1875 and handle it in very large quantities. Our men have been trained in the government laboratories and we know good Alfalfa Seed. Of all the carloads we handle the very best is selected for our "O. K." Brand. This seed is then given special attention in cleaning and when you get this seed you get the very best to be had anywhere.

Price of Alfalfa Seed in quantities is given on our Pink List. In small lots it is 25c per pound with parcel post charges extra.

Large Book on Alfalfa by Hon. F. D. Coburn, 344 pages, $2.00. Small Book on Alfalfa by Hon. F. D. Coburn, 161 pages, 50c. With an order for $10.00 of field seeds we will give this 50c book free upon request.

FARMOGERM

(High Bred Nitrogen Fixing Bacteria.)

For inoculating Alfalfa and other Leguminous Crops.

Garden size, containing material to treat the seeds for 1-6 acre of land, 50c each.

Acre size, $2.00. Five acre size, $6.00.

In ordering state what crop you wish to plant; quantity wanted, and ask for book on the Farmogerm Method.

Farmogerm is good for—

Alfalfa,	White Clover,
Red Clover,	Cow Peas,
Mammoth Clover,	Soy Beans,
Alsike Clover,	Garden Beans,
Peanuts,	Garden Peas,
Vetches,	Sweet Peas.

SEE OUR PINK LIST FOR MARKET PRICES

SELECTED AND TESTED SEED CORN

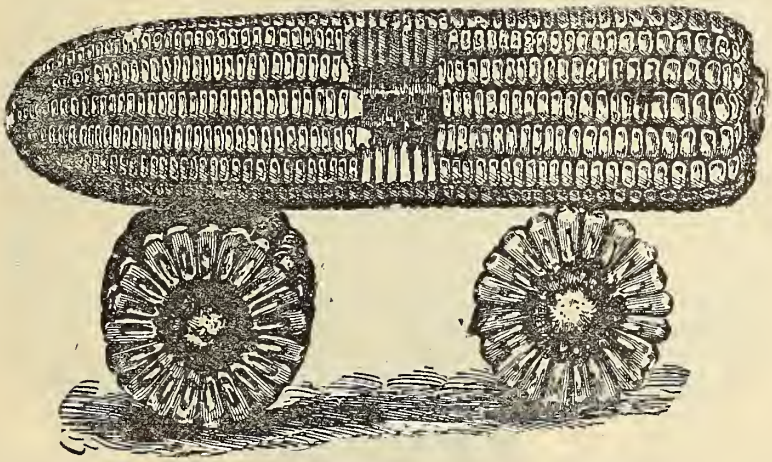
Mais **Maiz**

Our Seed Corn is all selected, tipped, butted, shelled, and then cleaned. It is first-class in every respect, and every lot is tested for germination.

Ask for our supplementary price list which is issued monthly. We are unable to quote Grain and Grass Seeds in large quantities on account of market conditions.

Strictly high-class seed corn only. Grown under our personal supervision by experienced growers. You make no mistake in buying your Seed Corn from us.

Postage on Seed Corn. On small lots please add 5c per lb. for postage. If larger quantities are wanted by mail please add regular parcel post charges. Your postmaster can tell you what they are.



JUNE CORN

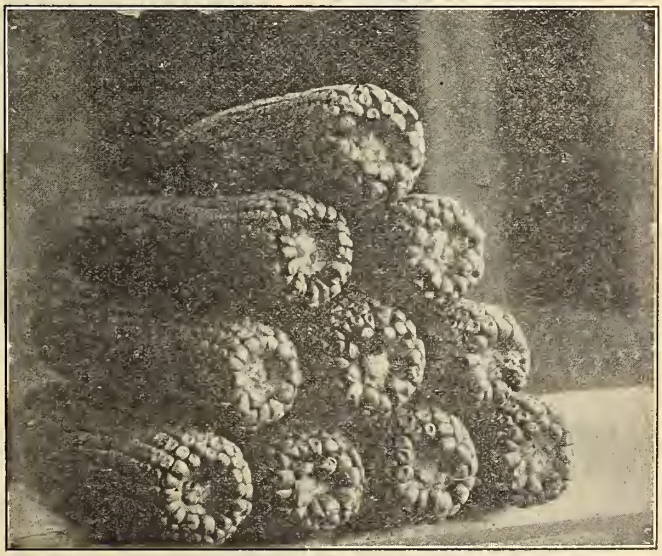
This corn, as the name indicates, is a very popular Corn for June planting in Oklahoma and Texas. It is recommended by our Experiment Station as being the best drought-resisting Corn in existence today. The stalks generally bear two ears of a very large size, and often makes a yield of from 50 to 70 bu. per acre. Can be planted on land on which Wheat and Oats were raised the same year. It is considered a 90-day Corn. We recommend it highly.....1 lb. 10c; ¼ bu. 75c

IMPROVED INDIAN SQUAW CORN

Here we have the real native corn that has been cultivated by the different tribes of Indians throughout the Southwest for ages. Makes a long, slender ear covered with white, red, blue and yellow grains. As a drought-resister it is second to none. Does equally well as planted early as late; fine as a follow-up crop to potatoes. We recommend this variety as the very best to use for fodder and ensilage, as it makes an abundance of fine succulent forage.....1 lb. 10c; ¼ bu. 75c

MAMMOTH RED COB WHITE

This variety was introduced by us in this locality four years ago and we think that it is the best corn that was ever introduced in Oklahoma and Texas. The ear is of mammoth size and very uniform, and as a drought-resister, it is equal to June Corn. It matures with the early varieties and has a big advantage over the early varieties on account of its large sized ears. Farmers who planted and cultivated some of this variety this season give it their most glowing endorsement as being the best early white corn they have ever tried They also reported a yield of 50 to 75 bushels per acre..1 lb. 10c; ¼ bu. 75c



SEED CORN—Continued

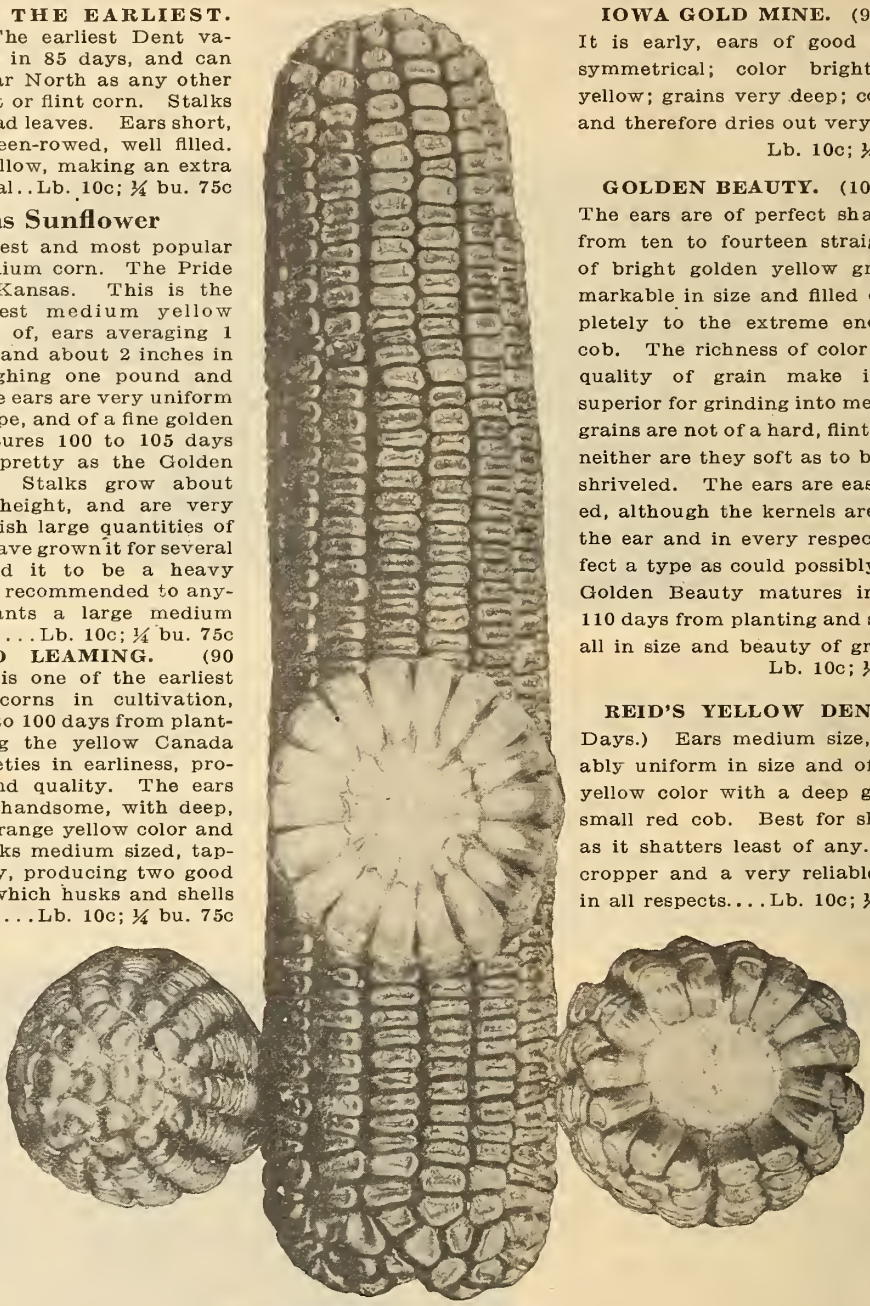
YELLOW VARIETIES OF TESTED SEED CORN

KING OF THE EARLIEST. (85 Days.) The earliest Dent variety, ripening in 85 days, and can be grown as far North as any other variety of dent or flint corn. Stalks small with broad leaves. Ears short, twelve to sixteen-rowed, well filled. Grain long, yellow, making an extra quality of meal..Lb. 10c; ¼ bu. 75c

Kansas Sunflower

Best and most popular medium corn. The Pride of Kansas. This is the largest medium yellow corn we know of, ears averaging 1 foot in length and about 2 inches in diameter, weighing one pound and upwards. The ears are very uniform in size and shape, and of a fine golden color. It matures 100 to 105 days and looks as pretty as the Golden Beauty Corn. Stalks grow about eight feet in height, and are very leafy and furnish large quantities of fodder. We have grown it for several years and find it to be a heavy yielder, highly recommended to anybody who wants a large medium Yellow Corn.....Lb. 10c; ¼ bu. 75c

IMPROVED LEAMING. (90 Days.) This is one of the earliest yellow dent corns in cultivation, ripening in 90 to 100 days from planting, surpassing the yellow Canada and flint varieties in earliness, productiveness and quality. The ears are large and handsome, with deep, large grains; orange yellow color and red cob. Stalks medium sized, tapering gradually, producing two good ears, each of which husks and shells easily.....Lb. 10c; ¼ bu. 75c



KANSAS SUNFLOWER

IOWA GOLD MINE. (90 Days.) It is early, ears of good size and symmetrical; color bright golden yellow; grains very deep; cob small, and therefore dries out very quickly.
Lb. 10c; ¼ bu. 75c

GOLDEN BEAUTY. (100 Days.) The ears are of perfect shape, with from ten to fourteen straight rows of bright golden yellow grains, remarkable in size and filled out completely to the extreme end of the cob. The richness of color and fine quality of grain make it vastly superior for grinding into meal. The grains are not of a hard, flinty nature, neither are they soft as to be greatly shriveled. The ears are easily shelled, although the kernels are firm on the ear and in every respect as perfect a type as could possibly be had. Golden Beauty matures in 100 to 110 days from planting and surpasses all in size and beauty of grain.
Lb. 10c; ¼ bu. 75c

REID'S YELLOW DENT. (100 Days.) Ears medium size, remarkably uniform in size and of a slight yellow color with a deep grain and small red cob. Best for shredding, as it shatters least of any. A sure cropper and a very reliable variety in all respects....Lb. 10c; ¼ bu. 75c

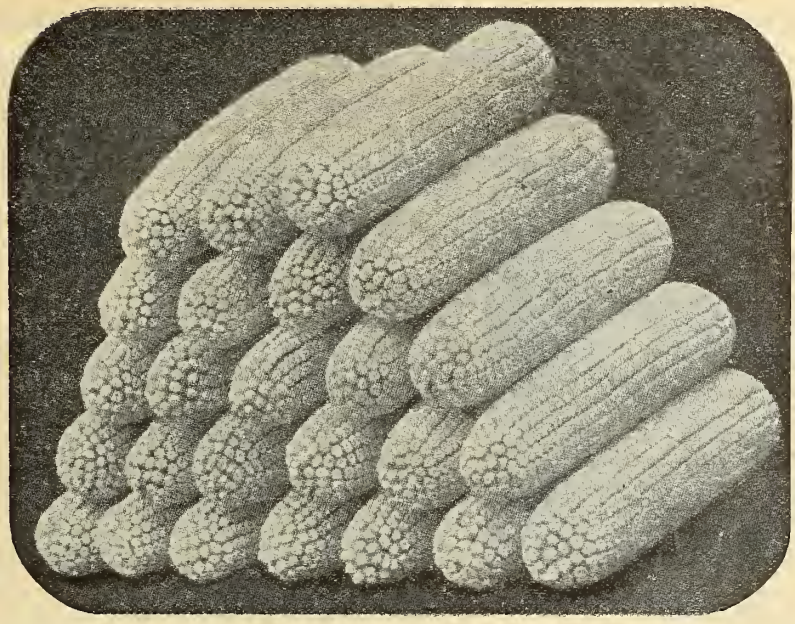
RED CORN

BLOODY BUTCHER. (100 days.) This corn resists the drought better than any other variety. Ears long and of perfect shape. Grain deep red, having sometimes a yellow tip. Type is not entirely fixed.....Lb. 10c; ¼ bu. 75c

STRAWBERRY CORN

This famous variety has all the advantages of a drought-resister, tiding over hot and dry weather like June Corn. Makes a stalk a little larger than ordinary corn. Ears are of a very large size and well formed, and are uniformly covered with large grains from tip to butt.....Lb. 10c; ¼ bu. 75c

FIELD CORN—WHITE VARIETIES



OKLAHOMA WHITE WONDER. The king of all the corn. It grows under conditions that kill all other varieties. It is, as its name implies, a white variety. Its good points are so numerous that were we to detail them all, one by one, our readers would think we were exaggerating the facts. But the corn is grown in every part of the country and is pleasing everyone who has planted it. It is grand and good and reliable— a veritable mortgage-lifter.

It makes the prettiest stand of corn we have ever seen. The stalks grow from ten to thirteen feet in height and are exceedingly thick, with short and heavy joints. And moderately thick from ear to tassel, thus escaping the disaster which so often overtakes weak corn in times of heavy winds. The foliage is abundant and the leaves are thick and broad. The foliage starts while the corn is young, which gives an unusual amount of moisture. In addition the size and abundance of the leaves insures a large yield of splendid fodder.....Lb. 10c; ¼ bu. 75c

IOWA SILVER MINE. (90 days.) The stalk grows to a height of 7 or 8 feet, and set the ears about three and a half to four feet from the ground. The ears measure from ten to twelve inches in length. They are very uniform in size and shape, sixteen to twenty straight rows of deep, pure white kernels, on a small cob. It is the heaviest yielder we know, having yielded over 100 bushels to the acre. Seventy pounds of ears will make sixty-two pounds of corn. It is entirely distinct and will give satisfaction..Lb. 10c; ¼ bu. 75c

BOONE COUNTY WHITE. (100 days.) Medium late, and in our opinion the best white corn for bottom lands and good soil. The ears are of large size, well proportioned, well rounded at butt and tip. The up to date type has a deep narrow grain giving the largest possible amount of corn to the cob. This variety yielded well even in the past dry season and we cannot recommend it too highly...Lb. 10c; ¼ bu. 75c

CHAMPION WHITE PEARL. (100 days.) The stalk is short and thick. The ears grow long on the stalk, from seven to twelve inches in length, almost parallel throughout, of medium size, averaging sixteen rows of grains. The grains are pure white, very deep, compact, and heavy. The cob is small. By a test seventy ears weighed eighty-seven and one-half pounds, of which the cobs alone weighed only seven pounds. It makes superior quality of corn meal. We recommend it highly.....Lb. 10c; ¼ bu. 75c

HICKORY KING. (110 days.) This is an entirely distinct variety amongst the white corn, combining the largest grain with the smallest cob. A single grain will completely cover the cob of an ear broken in half. It is a great yielder, giving more shelled corn to the acre bulk of ears than any other variety. It is satisfied with any kind of soil, and will produce good strong stalks, bearing two, and occasionally three good ears. A good drouth resister. We recommend it very highly.....Lb. 10c; ¼ bu. 75c

BRAZILIAN OR STOOLING FLOUR CORN

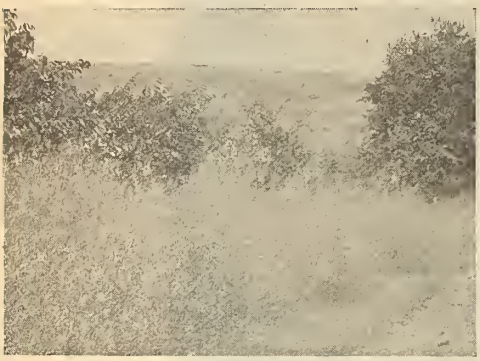
This corn, as the name indicates, is inclined to stool, and one grain will produce in many instances more than one stalk. Each stalk bears two or three ears five to seven inches in circumference, nine to twelve inches in length and beautifully white. It produces an abundance of fodder, and is the best variety for ensilage. It yields 30 to 50 bushels of corn per acre, and the ears are fine for roasting although not sweet. It does not require a very rich soil and therefore the best variety for poor soils. The kernel contains more starch than any other corn, and ground and bolted by the same process as wheat, gives a fine flour that will make bread, biscuits, etc., the same as the wheat flour. Plant two kernels in a hill and cultivate the same as other corn. Three pounds will plant one acre.....Lb. 15c; ¼ bu., $1.00

CLOVERS AND GRASSES

Klee-und-Grass Saaten — Troboles y Gramineas

We print a pink list giving quantity prices of field seeds. We will send this gladly upon request. All prices are subject to market fluctuations. Our prices include sacks, but do not include freight or express charges, which must be paid by customers. With every order for grass or clover seeds amounting to $5.00, we will be pleased to send Barteldes' Farm Guide or Barteldes' Cook Book, if asked for.

POSTAGE—On small lots please add 5c per lb. postage. On larger quantities add regular parcel post charges.



SWEET CLOVER GROWING ALONG ROADSIDE

ALSIKE CLOVER. (Trifolium Hybridum.) Alsike Clover is especially valuable for growing on wet or swampy land. If you have a piece of land that is too damp for Alfalfa or other clovers or grass sow a mixture of about four pounds of Alsike Clover and ten pounds of Red Top Grass Seed. This will make an excellent crop of hay.

Alsike Clover is very hardy, is perpetual, will withstand drought and will not winter kill. About six to ten pounds will sow an acre and as the seed is very fine it should be covered only slightly. For bottom lands needing drainage but not subject to overflow an excellent mixture is as follows: Four pounds of Red Clover, two pounds of Alsike Clover and ten pounds of Timothy. This quantity is for one acre.....Lb. 25c

RED CLOVER. (Trifolium Pratensis.) Red or Medium Clover has long been considered the most important of the clover family. It is valuable both as a hay crop and a pasture crop and is also beneficial to the soil. It is a well known fact that grain crops will yield more when they follow clover. It is very valuable for enriching wornout soils but the trouble is that the soil is generally too much exhausted before the clover is sown. The better plan is to rotate your crops with clover so that the soil will not become too badly run down

The common mixture both for hay and pasture is eight pounds of Clover and ten pounds of Timothy per acre. To get the best hay Red Clover should be cut when just past the blooming stage, but in consideration of a second crop it is often necessary to cut the first crop a little sooner.

The selection of the seed is of greatest importance. Buckhorn is found in nearly all clover seed and is to be avoided whenever possible. Our Sunflower Grade is especially selected for purity and can be depended upon.

Red Clover will grow on any good corn land and when sown by itself the soil should be put in first-class condition. It can be sown either in the spring or in the fall, but as it is not drought resistant in the early stages the moisture should be conserved as much as possible. It is generally sown broadcast at the rate of 12 to 15 lbs. to the acre....Per lb. 25c

WHITE FLOWERED SWEET CLOVER

(Melilotus Alba)

Sweet Clover has suddenly sprung into popular favor. For a long time it had been regarded as a pest, but now a place has been found for it and in its place it is a very valuable plant.

Sweet Clover is valuable because of its ability to grow and thrive on the poorest and most barren places. It will not only thrive on soils that are too poor for any other crop but will improve the soil it is growing on. It makes good hay and good pasture, although cattle do not always take to it at first. It resembles Alsike Clover in that it can grow on moist soils.

Its ability to improve the soil, together with its ability to thrive on very poor soils, makes it especially valuable as a pioneer crop on poor, run down, badly washed fields.

The seed can be sown either in the fall or spring and about 20 lbs. of the hulled seed and 25 lbs. of the unhulled seed is required per acre.....Per lb. 20c

WHITE CLOVER. (Trifolium Repens.) White Clover is excellent for pasture and is especially valuable for mixing with Kentucky Blue Grass both for lawns and pasture. A few pounds of White Clover should be in all permanent grass seed mixtures as it helps fill up the bare spots and is very nutritious. White Clover will disappear at the approach of very hot weather but will come back again with rains or seasonable weather. It is very hardy and is a perennial. Sow five to eight pounds per acre.....Per lb. 60c

CRIMSON CLOVER. (Trifolium Incarnatum.) An annual variety in common use in Italy and southern France for feeding green. Also largely grown in this country in Virginia. A good portion is now being used in Texas and adjoining States. Two to four weeks earlier than the Red Clover, and for that reason being more desirable. Immense yielder of fodder. Commences to grow at once after cutting and continues to do so until after frost. Height 1 foot; roots nearly black, and blossoms long and of deep carmine color. Makes good hay. Sow in the fall in southern country. Sow 15 pounds to the acre.....Per lb. 20c

BURR CLOVER. (Medicago Maculata.) Is used mainly in the Southern States and California Fills in the season when other forage plants have become dried up by the summer heat. Stock of all kinds feeds upon the burrs, which contain a large portion of nutritious matter. Sow 15 to 20 pounds per acre in August, September or October.

Per lb. 20c

JAPAN CLOVER. (Lespedeza Striata.) Low, perennial, spreading habit. Stands excessive drought well; flourishes on poorest soil in Southern States. Sow 15 pounds per acre. It makes a fair hay, and stock eat it readily when green. It is also valuable for turning under as green manure. Sow in spring broadcast at the rate of 30 pounds per acre.....Per lb. 25c

CLOVERS AND GRASSES—Continued

BERMUDA GRASS

(Cynodon Dactylon)

Bermuda Grass, on account of it's wonderful ability to withstand dry weather, is being planted more and more in Oklahoma and the dry sections of other Western States. Kentucky Blue Grass makes the most beautiful lawns in the world but this grass requires abundant water and a great deal of care.

Bermuda Grass will remain green all summer with practically no rain or watering. A lawn of Bermuda Grass here in Lawrence remained bright green all during the drought of 1916 without any watering. It makes a beautiful lawn of a light green color and when once established requires no care except cutting. It will stand any amount of tramping and makes a very heavy, dense mat.

Part of the lawn of the Capitol Building at Topeka is planted to Bermuda Grass. The Kansas Farmer writes of this as follows:

"Mention has several times been made in Kansas Farmer of the Bermuda planted in the lawn of the State Capitol here in Topeka. The planting was done a year ago last spring. Apparently a considerable number of the plants were killed last winter. However, the grass came on this spring and at this writing (September after the extremely hot and dry summer of 1913), the plots are thickly covered. These are the only green plots in the four blocks composing the State House lawn. The Bermuda has not been watered. The remarkable manner in which the Bermuda thickened after having suffered much from the rigors of last winter and the manner in which it has kept green demonstrated to us the possibilities of practical value of Bermuda grass for this section of the State."

Bermuda grass can be started by sowing the seed at the rate of from 3 to 5 pounds per acre or by setting out the roots. Neither should be done until the soil is warm. The roots should be set about 18 inches apart and then watered frequently for about six weeks. After they get a good start they require no artificial watering.

It is a valuable grass to grow over and bind the most arid soil. It is valuable for pasture and also as hay crop. Price of seed.....50c per lb. Roots 2 bu. sack $2.00

ORCHARD GRASS. (Dactylis Glomerata.) No farmer should be without a small field of Orchard Grass as in many respects it is superior to all other grasses. It stands the drought, grows well in the shade, does well in wet or poor ground and is splendid to prevent worn out fields from washing. This grass furnishes excellent pasture three weeks before any other and after close grazing ten days' rest is sufficient for another growth. Cows fed on this will produce more and richer milk than on blue grass. It makes a very heavy sod and when well set remains for many years. It is especially adapted for winter grazing, as it remains green all season. It is well suited to sow mixed with alfalfa; an average of 12 lbs. orchard grass, 6 to 8 lbs. alfalfa seeds. Sow 20 to 25 lbs. per acre.....Lb. 25c

BROMUS INERMIS OR HUNGARIAN BROME GRASS. A Wonderful Drought Resister. A Grass for the Stock Raiser. All Cattle Like it. This pre-eminent drought-resisting grass stands at the head of all, and is destined to lead as the most satisfactory and valuable forage grass in all localities where arid soils demand a plant with ability to stand the drought. Stands intense cold equally as well. May be sown in autumn with winter wheat, or early spring. In Southern States sow in February or March, preparing lands as for other grasses. Blooms in North in June, and earlier in Southern States.

Its nature is to stool out, and thus does its best until the second season. It seldom produces seed the first year. Aside from Alfalfa no grass has fulfilled the promise to the Western farmer better than Bromus Inermis. It meets drought as well as wet and cold, and for Kansas we know of no grass to equal it. Many of our large ranchers are planting it extensively.

For hog pasture a mixture of Bromus Inermis and alfalfa, where the latter succeeds well, is recommended by Prof. Ten Eycke of the Kansas State Agricultural College Experiment Station, and he also suggests for large pastures for cattle a mixture of the following per acre: Bromus Inermis, 10 lbs.; Orchard Grass, 8 lbs.; Meadow Fescue, 8 lbs.; Red Clover, 1 or 2 lbs. added to the mixture. For worn out pastures he advises a disc early in the spring, following with a harrow and sow Bromus Inermis on the land, putting most on places where native grasses are most killed out.....Per lb. 20c

ESPARSETTE OR GERMAN CLOVER. (Onobrychis Sativa.) Perennial, blooms in July. Same family as alfalfa, adapted to light chalky soils, stands gravel and barren regions deficient in rainfall. Shorter lived plant than alfalfa, but will last from 8 to 10 years, according to soil, by judicious top dressing of manure. It is excellent for cows, increasing flow and quality of milk. Would advise early and heavy seeding. Follow with roller. Sow seed 2 inches deep and from 30 to 40 pounds per acre.....Per lb. 20c

MAMMOTH SAPLING OR PEA VINE CLOVER. Being a rank grower makes it most valuable for fertilizing purposes. Foliage, flower and stem much darker than common Red Clover, ripens later than the latter, about the time Timothy, Red Top and other grasses ripen, making thereby a much better quality of hay, when mixed with them. Sow 12 to 15 pounds to the acre.....Per lb. 25c

GRASSES—Continued

KENTUCKY BLUE GRASS. (Poa Pratensis). This is the standard grass in America for lawns and also for pastures. Blue grass is the base of practically all grass seed mixtures. It is perhaps a little slower than some other grasses but when once established it is permanent. It thrives best on limestone land. Sow 25 to 30 pounds per acre for meadows and 60 to 80 pounds per acre or one pound for every 150 square feet for lawns.....Per lb. 20c

GRASS SEED MIXTURES FOR PASTURES

As we are often asked for information as to making up mixtures for pasture, we give below some mixtures as suggested by competent authorities. No doubt one of these will be suited to your climatic and soil conditions.

Eastern Oklahoma	Western Oklahoma	Missouri	Rocky Lands of Southern Missouri
5 lbs...Ky. Blue Grass	4 lbs...Bermuda Grass	10 lbs...Ky. Blue Grass	10 lbs....Orchard Grass
2 lbs...Bermuda Grass	5 lbs....Brome Grass	6 lbs.....Timothy	8 lbs.....Timothy
4 lbs.....Timothy	2 lbs.....Timothy	4 lbs.....Red Clover	4 lbs.....Red Clover
6 lbs..Eng. Blue Grass	2 lbs....Orchard Grass	2 lbs....Alsike Clover	1 lb.....Alsike Clover
4 lbs.....Red Clover	5 lbs..Eng. Blue Grass	2 lbs....White Clover	
2 lbs....Alsike Clover	4 lbs.....Red Clover		
	2 lbs....Alsike Clover		

The above quantities are for one acre

ITALIAN RYE. (Lolium Italicum.) Surpasses the perennial rye grass in earliness and nutrition and rapid growth. Indispensable for alternating. Lasts only two years, and of no use for permanent pasture. Particular as to soil, a moist, tenacious, fertile and of medium consistency being considered the best. On such it is considered one of the best grasses cut green. Sow 30 to 40 pounds to the acre.....Per lb. 10c

TALL MEADOW OAT. (Avena Elatior.) The roots of this descend deeply into the sub-soil, enabling it to withstand a protracted drought, and it is green all seasons of the year. Its early growth in spring makes it equal to rye pasture. It grows quickly after mowing, giving a denser and more succulent aftermath than any of the present popular cultivated grasses. Sow broadcast 25 to 30 pounds of seed to the acre.....Per lb. 20c

RED TOP GRASS. This is especially valuable for sowing on sour or acid soils, swampy or meadow lands liable to overflow, and also on soils that are not rich enough for Timothy and other grasses or Clovers. Mixed with Alsike Clover it makes a fine crop of hay or excellent pasture. Red Top makes a very dense sod that will stand trampling and will continue to grow for a longer time during the year than almost any other grass.

On good soil it will grow two feet high, but it should be fed close, as when it grows up to seed cattle do not like it.

Fourteen pounds of solid seed should be sown per acre and it may be sown either in the spring or in the all and with or without some small grain as a nurse crop.

To make the best quality of hay it should be cut when in full flower. It is more easily cured than any other grass.....Per lb. 20c

FOR GOOD RESULTS QUICK SOW

BARTELDES' "O. K." BRAND LAWN MIXTURE

There is nothing so pleasing to the eye as a well-kept lawn. The most beautiful home can be spoiled entirely by a poor and ragged lawn. It is often thought that fine lawns belong only to the rich, but this is a great mistake, for anybody that will take a little time and care for their place can have as fine a lawn as the people that can afford to have this work done.

This mixture which we put up under our famous "O. K." brand is the result of some forty odd years of experience and study with grass seeds. This mixture contains the best of seed put up in the right proportion.

It is made up of heavy seed, and not chaff that will blow away with the first wind. If your lawn looks ragged, sow a little on the bare spots and the result will please you.

Full directions as to "How to Make and Care for a Lawn" on each package. Sow 1 lb. to 150 square feet.

Put up in neat colored cartons and in bulk. One pound carton postpaid, 40c; in bulk not prepaid, 1 lb. 30c; 10 lbs. $2.50; 100 lbs. price on request.

PERENNIAL ENGLISH RYE. (Lolium Perenne.) While this has long been highly esteemed in Europe and Australia, it has but recently been recognized by our Western ranchers. It is worthy of all the praise given. As a pasture grass it grows thick and withstands drought reasonably well. We have reports of its success as far south as Mexico City and in the far west, also in Old Mexico it is used extensively for lawns. Our new crop is carefully cleaned, and may be depended upon. For pasture sow in spring 25 to 30 pounds to the acre. For lawns 60 to 75 pounds to the acre....Lb.15c

MEADOW FESCUE OR ENGLISH BLUE GRASS. (Festuca Pratensis.) Especially adapted for permanent pasture. Grows 2 to 3 feet high, but not in tufts like orchard grass. Earliest and most nutritious of grasses. Makes good hay; cattle thrive on it whether in dry or green state. Succeeds even on poor soils, and as the roots penetrate deeply from 12 to 15 inches, it takes extremely dry weather to affect it. Will stand more freezing than any other variety, and yields an abundant crop of seed. Heretofore has been sown to but a limited extent, but the area is rapidly increasing each year. Sow 15 to 20 lbs. per acre.....Lb. 20c

GRASSES—Continued

TIMOTHY. (Phleum Pratense.) As a crop of hay Timothy is probably unsurpassed by any other kind of grass. It is greatly relished by all kinds of stock, especially horses; yields more nutritious matter than any other forage plant or grass. Being an early grass it is well adapted to spring and summer grazing, too. Sow 10 to 12 pounds to the acre. Lb. 10c

JOHNSON GRASS. (Sorghum Halapense.) We find this grass winter kills in the Northern States. A perennial, a rapid grower with long cane-like roots; the leaf, stalk and pinnacle of this grass resemble those of sorghums. It is grown on any land where corn will grow. Ten pounds will sow an acre.....Lb. 15c
Cannot be sold in Oklahoma.

WILD RICE. (Zizania Aquatica.) An annual which sows itself in the fall about the middle of September, lies dormant in the winter, and in the spring commences to sprout as soon as the water gets warm, reaching the surface about the first of June. It grows very rapidly in 1 to 4 feet of water, reaches a height of 7 to 10 feet and ripens late in August or early in September. It does well along the shores of marshes, and makes good hay. In the South two crops can be cut and all cattle are very fond of it
Lb. 25c; 5 lbs. $1.00

SWEET VERNAL. (Anthoxanthum Odoratum.) Yields a moderate amount of herbage, which is remarkable for its pleasing fragrance during the drying of the hay. Mix with other grass seeds for lawns or permanent pasture. Sow 3 to 5 pounds to the acre.....Per lb. 40c

MILLETS

WHITE WONDER MILLET. See inside back cover.

FIELD OF GERMAN MILLET. Courtesy of Kansas State Agricultural College

COMMON MILLET. It is an annual grass with juicy, tender and luxuriant leaves, much relished by all kinds of stock; makes good hay. Sow 25 to 40 pounds to the acre.....Lb. 5c

GERMAN MILLET. An enormous yielder. It has produced 4 to 5 tons of hay to the acre, and from 70 to 80 bushels of seed. It is sown in the spring on newly broken prairie, and after harvesting it leaves the ground in the finest condition for wheat. Sow 25 to 40 pounds to the acre.....Lb. 5c

HUNGARIAN MILLET. It is of fine growth and makes excellent hay. It has numerous succulent leaves, which furnishes abundance of green fodder, taken by all kinds of stock. Sow 25 to 30 pounds to the acre.....Lb. 5c

JAPANESE MILLET or "Billion Dollar Grass," as it is sometimes called, is of recent introduction, and great claims are made for it as to productiveness and value as a forage plant. Prof. Brooks, of the Massachusetts Experiment Station, is quoted as saying: "At our station it produces 60 bushels of seed, 11,297 pounds of straw, 36,000 pounds of green fodder, 12,000 pounds of hay per acre, being superior to good corn fodder in feeding for milk, and in combination with the soja bean makes a very superior ensilage." Recommended highly for feeding dairy cattle, young stock and sheep, being very rich in nutritious elements. If sown in the latter part of April will be ready to cut for hay by the middle of July. Attains a height from 5 to 7½ feet, according to season.
In drills plant 10 to 12 pounds per acre, broadcast 15 pounds per acre.....Lb. 5c

MANITOBA OR HOG MILLET. The seed is very rich and thus especially valuable as a hog food. A very much prized peculiarity of this millet is that the seed ripens while the stem is yet green, thus if cut promptly can be threshed for the seed, while the hay, after being threshed, will make excellent fodder. Sow same as other millet.....Lb. 5c

PEARL MILLET OR PENCILLARIA. Immensely productive, 25 tons per acre. A native of Central America. It is an annual plant having long, broad foliage, and if allowed to develop fully will attain a height of from 10 to 12 feet, and bear numerous heads from 19 to 20 inches in length and 1 inch in diameter, completely covered with thousands of seeds, much relished by poultry. It is of rapid growth, throwing out from one plant numerous suckers, and if cut as soon as it reaches the height of 2 to 3 feet, it can be mowed from 4 to 6 times, according to the latitude, and yields several tons of hay to the acre. If allowed to grow 6 or 7 feet high, and cut when the flower heads begin to develop, it will yield the heaviest fodder crop per acre of any plant now in civilization. For feeding it is equal to any fodder, and is relished either green or dry, by all kinds of stock.....Lb. 25c

SIBERIAN OR RUSSIAN MILLET. It is claimed to be the most wonderfully productive and satisfactory forage plant, possessing in a superior degree all of the essential merits of any of the older sorts—exceeding them by far—besides many other points of excellence that distinguishes it and render it a most valuable addition to the list of forages. If the claims are well founded it is destined to take front rank, if not to lead all the rest.....Lb. 5c

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· Put a top dressing of our bone meal on your pasture. The result will surprise you.

Seeds go at parcel post rates. Allow 5c per lb. for small lots and regular parcel post charges for larger quantities.

FOR PRICES OF FIELD SEEDS SEE OUR PINK LIST. MAILED FREE ANY TIME

FORAGE PLANTS

DWARF ESSEX RAPE. Main standby of the English farmer in raising choice mutton. Perfectly hardy and of remarkable fattening properties. Easily grown. One acre will pasture 36 head for two months, lambs will make a gain of from 8 to 12 pounds per month. Pigs and cattle are also extremely fond of it. A very rank grower and bears heavy manuring and high cultivation. Sow at intervals of several weeks and secure a supply of good feed. Sow in June. Rape should be fed in August, though if a first crop be cut about four inches from the ground an after growth would be useful later. Does well sown with oats. If soil is clear and clean sow broadcast, otherwise in drills, and cultivate same as corn. Poultrymen will do well to sow a small patch to feed green to growing chicks. Can be sown on wheat stubble, furnishing excellent pasture late in the fall. Broadcasted it takes 8 to 10 pounds to the acre.
Lb. 15c; 10 lbs. $1.00; 100 lbs. $8.00

LUPINS. When young the plants are good for sheep, yellow Lupins remaining green longer than white. One of the best plants for soiling. May be sown from April until July and succeeds well in the poorest soil.....Lb. 10c

TEOSINTE. Recommended as the most prolific forage plant yet introduced. The stalks containing much saccharine matter, are very nutritious. It can be cut several times during the season, yielding enormously. One seed will sometimes produce 20 to 60 stalks or shoots, and the warmer the climate the better it yields. Should not be planted until the soil is perfectly warm in the spring. Requires about 4 pounds of seed to the acre. Plant in drills three feet apart and two or three seeds every 12 inches in drill.....Lb. $1.00

SACCHARINE SORGHUMS

Cane or Sorghum is planted very extensively both for syrup and for fodder. It makes an immense amount of the finest kind of fodder which is relished by all kinds of stock. The Texas Seeded Ribbon and the Orange varieties are commonly used for making syrup, and the Amber and Red Top varieties for fodder.

Cane makes excellent pasture and when grazed down will spring up quickly again. It should be sown in the spring and will do well on thin land. Sown broadcast it requires from 1 to 1½ bushels per acre, and if in rows from 6 to 10 lbs. per acre.

Cane will make a good crop of fodder if sown as late as the middle or even the latter part of July.

TEXAS SEEDED RIBBON CANE OR GOOSENECK SORGHUM

This variety makes the most and the best quality of syrup. Growers who have used it for that purpose are enthusiastic about it. The stock is not entirely pure and both Goosenecked and straightnecked plants appear in the same fields.....Lb. 10c

EARLY AMBER CANE. This popular and well known variety is the earliest and makes the finest quality of amber syrup and sugar. Succeeds well from Texas to Minnesota.....Lb. 5c

ORANGE CANE. A well known variety adapted to the Southwest. It is from 8 to 10 days later than the Early Amber.....Lb. 5c

RED TOP CANE. Planted very extensively in the Southwest. Smaller than the other varieties, but makes a large amount of fodder.....Lb. 5c

FORAGE OR FODDER CANE. Cane seed is now grown to a considerable extent for stock feeding. It yields heavily. It can be raised anywhere, and is sown extensively in dry regions where grasses do not do well. Because of its sweetness it is greatly relished by cattle and horses and sheep. For forage sow 50 lbs. to the acre. Ask for Market prices.

BROOM CORN

There are many farmers who make this a most profitable crop. One acre will produce 500 cwt. of brush and nearly 40 bushels of seed, which is almost equal in value to oats for feed. Requires soil similar to corn, same cultivation, but should be planted some later in the season. Put in ground in prime condition. We think that more of our Western farmers whould grow Broom Corn for market. It is profitable. Frequently planted in drills 3½ feet apart, leaving 6 inches apart; 5 to 10 pounds to an acre.

TENNESSEE EVERGREEN. An excellent variety of good length; has fine straight straws of bright greenish appearance after being cut. This variety always commands the highest market price...Per lb. 5c

CALIFORNIA GOLDEN. An excellent standard variety, grows fine brush of good length and is free from the large center stem. Bleaches very evenly in the sun.....Lb. 5c

IMPROVED EVERGREEN. This Broom Corn grows about 8 to 10 feet high, stands up well, and is entirely free from crooked brush. The fiber is long and fine. Its great value is that it will not get red in the field before it is cut, but is strictly a green variety of brush commanding high price.....Lb. 5c

ILLINOIS STANDARD BROOM CORN. The brush of this variety is of an extra good length and of a fine appearance, showing but very little red. Considered by all broom corn growers to be the best variety for the Southwest. The seed we are offering has been specially grown for us by the broom corn seed producers in the State of Illinois. Seed of this variety is scarce and we have only a limited amount to offer.....Lb. 10c

THE OKLAHOMA DWARF BROOM CORN. Originated in Oklahoma. Most valuable strain grows here and in the Southwest. Quite distinct from all others in earliness. Of robust habit and extreme productiveness; brush long and well fibered, and is a drought resister. On new breaking it does splendidly, leaving the ground in prime order for fall wheat crop, only slight discing needed to prepare for seeding. Averages five feet in height, making it convenient for pulling brush. It is a great yielder; one of our Oklahoma growers reports several fields yielding 1 to 3 tons fine long brush; seeds may be left to ripen on brush without injury to latter, removing danger of heating from immature seed bins. Stalks make excellent fodder if cut at once after brush is pulled.....Lb. 5c

Seeds go at parcel post rates. Allow 5c per lb. for small lots and regular parcel post charges for larger quantities.

FOR PRICES OF FIELD SEEDS SEE OUR PINK LIST. MAILED FREE ANY TIME

WHITE KAFFIR
Courtesy of Kansas State Agricultural College

NON-SACCHARINE SORGHUMS

THEY STAND DRY WEATHER

These varieties are especially valuable for their ability to withstand dry weather. Many farmers are trying, year after year, to raise corn when they would do much better by raising such crops as Kaffir, Milo, Feterita, etc. These varieties will all yield as much grain as corn, will make excellent fodder; but the best point is that they will make a good yeild under conditions under which corn would burn up entirely.

It is a well known fact that when these grains are struck by dry weather they simply stop growing for the time being, and when they get more rain they go ahead and make their normal growth.

They make good material for filling silos and should be planted much more extensively, especially in the regions of deficient rainfall.

They should be planted in rows like corn, planting about five pounds per acre, and cultivating like corn. They will grow on any corn land and also on land too poor for corn. The crop should be cut and shocked when the seed begins to glaze.

Feterita, Page 4

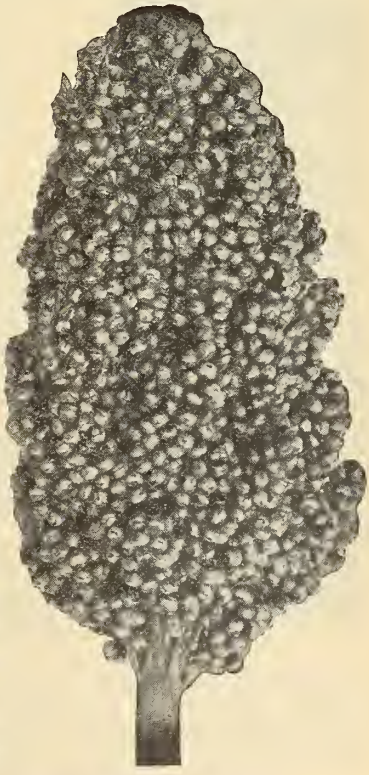
Dwarf Black Hull White Kaffir, Page 86

WHITE KAFFIR CORN

It makes a straight upright growth and has a strong stem with enormous wide leaves. The stalks keep green and are brittle, making excellent fodder, either green or dried, which is highly relished by cattle and horses. The heads form at the top of each stalk. For the grain sow in rows 3 feet apart, 3 to 5 pounds of seed to the acre. For fodder sow one-half to one bushel, either broadcast or in drills.....Lb. 5c

RED KAFFIR CORN

This grows taller than the white; the stalks are more slender, but more juicy and leafy. The heads are long, slender, compact, and grow very erect; they measure from 8 to 15 inches. The seed is red, smaller than that of the white, and rather hard and brittle. It does well on poor land and yields well. It ripens a little earlier than the white variety. It is highly recommended by the Kansas Agricultural College at Manhattan.....Lb. 5c



DWARF STRAIGHT-NECK MILO

Dwarf Milo was thoroughly tested by the drought of 1916 and it stood the test. What would you have given last fall for a field of Dwarf Milo yielding about 50 bushels per acre?

The Original Stock Seed was obtained from the U. S. Department of Agriculture and has been carefully selected and acclimated. It differs from the Standard Milo Maize in being dwarfed, growing from 3 to 5 feet high according to the amount of rainfall, and it is straight-necked. The advantage of this straight-necked feature is apparent in gathering, feeding and cutting the heads.

This strain is earlier than Kaffir Corn and Standard Milo Maize. The yield is from 60 to 100 bushels per acre. This will stand great drought and for this reason is admirably adapted to dry land farming.

The Dwarf Milo Maize should be planted the same as Kaffir or Milo and cultivated the same as Indian corn. It can be fed in bundles or in head to work-horses, cattle and hogs. Stock seems to prefer it to corn, and it has a laxative effect on them, keeping them in good condition.

While our stock is especially selected for straight necks, owing to the constant tendency to revert to the crook-necked type, there will be a few crook-necked in the field.....Lb. 5c

DWARF BLACK-HULL WHITE KAFFIR

There has been a constant demand the last four years for Dwarf Kaffir Corn. This year we are able to supply it. The value of the Dwarf Kaffir over the tall is apparent. In the first place the Dwarf Kaffir can be harvested with a grain header. By being able to harvest Kaffir in this manner a considerable saving in labor is effected. In the second place plants of dwarf stature expose less surface to the sun, and therefore can get along with less water.

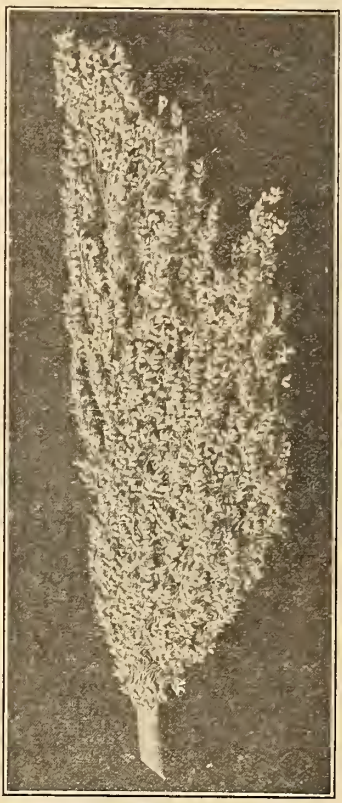
Price: Per pkt. 5c; per pound 10c. For prices of larger quantity see Pink List.

SHALLU

This non-saccharine sorghum came originally from India, where it is extensively cultivated under the name of Shallu. It is frequently called California Rice Corn, California Wheat and Egyptian Wheat.

It came to us from California some five or six years ago. It is an excellent variety, but is not well known.

It grows quite tall and stools out from the root, a single grain producing from three to six stalks. The heads, as you will note from the photo, are quite large and have a lot of grain. The heads are similar to broom corn heads and are well filled with large, plump, round white seeds. It makes a lot of fodder and is quite drought-resistant.



SHALLU

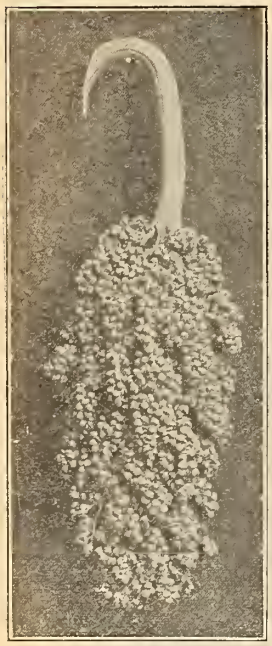
It makes excellent feed for horses and cattle, and for chicken feed there is nothing better. It can be popped like Popcorn and pops out to a nice crisp kernel. When ground it makes excellent flour for pancakes.

It makes good fodder but is more of a grain than a forage crop. It will form more seeds than any other variety of the sorghum family.

It should be sown in rows three feet apart, sowing 3 to 5 pounds per acre.

If sown for fodder only it can be sown broadcast at the rate of about 30 to 50 lbs. per acre. Every farmer should try some Shallu, and especially if he raises chickens.

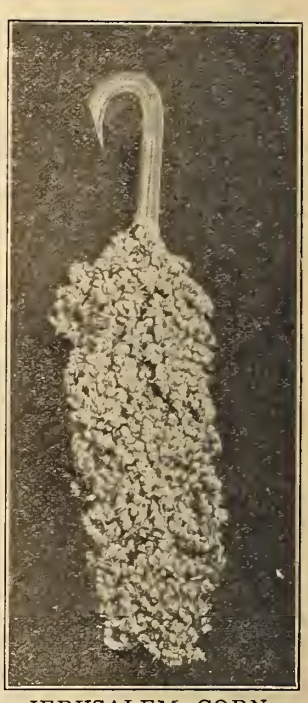
Pkt. 5c; lb. 10c; 10 lbs. 60c. Postage 5c per pound extra.



MILO

JERUSALEM CORN. (White Durra.) It is pronounced the best and surest grain crop for dry countries and seasons, even better than Kaffir Corn, Dourrha and Milo Maize. It grows about five feet high, makes one large head on main stalk and several smaller heads on side shoots. Have seen as high as eight heads on one plant. The grains are pure white, and nearly flat. Three pounds will plant one acre ..... Lb. 10c

YELLOW MILO MAIZE. (Milo.) Growth is tall, 9 to 12 feet, stooling from the ground, like White Milo Maize, but not so much. It sends shoots also from the joints. Seed heads grow to great size, often weighing ¾ of a pound, sometimes a full pound, after ripening. On account of its branching habits this grain should be planted in rows 4 to 5 feet apart, and 2 to 3 feet in the drill, or 2 plants in a hill, 3 to 5 feet apart ..... Lb. 5c



JERUSALEM CORN

BROWN DOURRHA. (Durra.) Similar to the Jerusalem Corn. Grain same size and shape, but of brown color instead of white, as the Jerusalem Corn. It withstands dry weather better than Kaffir Corn and Milo Maize, and is a sure cropper every year. Raised more for the grain than for the fodder. Yields immensely. Three or four pounds will plant an acre ..... Lb. 10c

FOR PRICES OF FIELD SEEDS SEE OUR PINK LIST. MAILED FREE ANY TIME

COW PEAS

Improve the Soil. Fine Fodder. Excellent Ensilage. Proof against Chinch Bugs.

Cow Peas belong to the same family as clover and taking the nitrogen from the air they have the same ability to improve the soil. The decaying roots and stems add to the soil and the whole vine can be plowed under for fertilizer.

Cow Peas have many uses. They make fairly good human food, they make good pasture, can be fed green, make fine hay, make excellent ensilage especially when grown with corn, and improve the soil at the same time.

Cow Peas are very easily planted and easily grown. They are tender, however, and should not be planted until the ground is thoroughly warm. For fertilizer, pasture, or hay crop they should be planted broadcast or better still drilled in with a grain drill planting about a bushel of seed to the acre. If they are being raised for seed they should be planted in rows about thirty-six inches apart and cultivated two or three times.

Cow Peas will grow on almost any soil and they are valuable for planting on thin land as they will make a good crop and also improve the soil.

Cow Peas are generally planted either broadcast or in drills by themselves and can be planted on wheat land after the wheat is taken off. Another common practice is to plant Cow Peas in between the rows of corn after the corn is laid by. It is rather difficult to cut the Peas and Corn when planted in this manner and the Cow Peas are therefore generally pastured off in the fall.

The very best forage or ensilage is obtained by planting corn and Cow Peas together in the row. This should be done at late corn planting time when the soil is good and warm. The corn should be about 12 to 14 inches apart in the row and the Cow Peas 4 to 6 inches. This can then be cut with a binder.

Chinch Bugs will not eat Cow Peas. They will starve to death in a field of it. The Whip-poor-will and the New Era are the common varieties and the New Era is especially recommended for Kansas.

We carry the following varieties:

NEW ERA.....Lb. 10c
WHIP-POOR-WILL.....Lb. 10c
BLACK.....Lb. 10c
CLAY.....Lb. 10c
BLACK-EYED.....Lb. 10c

SOY BEANS

SOY BEANS

The Soy Bean is a legume, and in nutritive value is equal to red clover. As a soil improver, it is excellent. This plant will grow on a wide variety of soils, but the richer the soil the larger the yield of forage. Prepare the soil the same as for corn. Drill the Soy Beans in, from three pecks to a bushel and a half of seed per acre, after corn planting time. The heavier seeding is where the crop is grown for hay or pasture. A common drill can be used with the oat feed opened, and enough of the holes stopped up to give the proper distance between rows.

Cultivate the Soy Beans with a weeder before they come up. When the rows are wide enough apart, use the cultivator. When the crop is grown for seed, several cultivations should be given.

Harvest Soy Beans intended for hay as soon as the pods begin to form; for silage, leave the plants come as near maturity as possible without dropping their leaves. Put in the silo with corn. When intended for seed, harvest before the beans are mature or they will shatter badly. Handle when the dew is on.

Use an ordinary mowing machine with a side delivery attachment except where intended for silage, when the self-binder makes the best implement, the bound bundles being easy to handle. For hay, handle as little as possible. Leave in the swath one or two days, then put in small cocks until cured. For threshing the seed, use ordinary threshing machine with blank concaves.

Soy Beans, as feed, takes the place of oil or gluten meal. Feeding them to milch cows, fattening hogs or cows, they have given astonishing results. If sown broadcast use one-half to one bushel per acre. We have the early Yellow, Late Mammoth; this last variety, however, hardly ever matures North, but is all right for the Southern States.

EARLY YELLOW SOY BEANS.....Lb. 10c
LATE MAMMOTH SOY BEANS.....Lb. 10c

FIELD BEANS

WHITE NAVY. The standard white beans of medium size. Plant in drills so as to cultivate with a horse, 25 to 30 pounds enough to sow an acre.....Lb. 10c
Get our prices on large quantities.

CASTOR BEANS. Are largely grown in our State, and have paid well the past few years. Will do well on any good corn land. One bushel plants fifteen acres.....Lb. 10c

FIELD PEAS

CULTURE. Field Peas deserve more general cultivation. They are equal to corn in fattening hogs and are ready for feed several weeks earlier. Can be sown advantageously with oats or will do well alone. As a land fertilizer they are very beneficial. For such the crop should be plowed under when they begin to bloom. They will grow on most any kind of land.

WHITE SEEDED GOLDEN VINE.....Pkt. 5c; lb. 10c
GREEN SEEDED CANADA.....Pkt. 5c; lb. 10c

Ask for market prices on large quantities.

Seeds go at parcel post rates. Allow 5c per lb. for small lots and regular parcel post charges for larger quantities.

FOR PRICES OF FIELD SEEDS SEE OUR PINK LIST. MAILED FREE ANY TIME

PEANUTS

TENNESSEE RED

Until recently it was thought that Peanuts could be raised only in the South, but they are now raised as far North as Iowa. In the last few years Peanuts have become very popular for dry land farming. They are classed with Dwarf Milo and Feterita in their ability to withstand dry weather, and made good returns in the dry summer of 1913.

The tops of the plants make good hay, and in the Southern States it brings a very good price. The yield, even in dry seasons, is from one-half to three-quarters of a ton of hay and from fifteen to sixty bushels of nuts per acre. The whole peanut plant makes nice feed for forcing cows to a high yield of milk and for rapidly fattening cattle and hogs, especially when combined with grain of Milo. A common method of harvesting is to let the hogs gather the nuts.

The Spanish Peanuts are generally planted when wanted for farm use. The nuts are small but they stand dry weather better.

Peanuts do best in light sandy loam. They sould be planted in rows from 28 to 36 inches apart and from 9 to 16 inches apart in the row. They need not be shelled but should be soaked in warm water for a day or so and then planted at once in warm soil. Planting should not be done until weather is good and warm. They should be cultivated and kept clean until they begin to peg or form pods. After that they should be left alone.

It takes from one peck to a peck and a half of shelled nuts and from a bushel to a bushel and a half in the shell to plant an acre.

WHITE JUMBO. This is the standard variety for roasting. The peanuts are three times as large as those of the ordinary Spanish peanut. The nuts proper grow in fine double-jointed hulls of beautiful white appearance, are from one-half to one inch in length, and of fine flavor. An excellent variety worthy of the highest recommendation.....Lb. 15c

SPANISH. The earliest variety grown, pods are small, but remarkably well filled and solid, and the yield per acre is very large. Can be cultivated with the plow. Because of its early habit and easy cultivation it is the best variety to grow for fattening hogs.....Lb. 15c

TENNESSEE RED PEANUTS. This is the best of all varieties adapted to the soil of Oklahoma and Texas. Pods contain four and five large nuts. Better yielder than any other variety. Pure seed of this variety is very scarce. We have only a limited amount to offer..Per lb. 20c; per bu. of 22 lbs. $2.50

SAND VETCH

(Vicia Villosa.)

Sometimes called Hairy Vetch or Winter Vetch. This is one of the most valuable plants for forage and fertilizing purposes. It will succeed and make a good crop on poor, sandy soils and also a better crop on good land. It is perfectly hardy throughout the United States and remains green all winter. Vetch belongs to the same family as Alfalfa and Sweet Clover, and has the same ability to gather nitrogen from the air and store it in the root system. The roots are very extensive and add a good deal of valuable material to the soil. It thus improves the conditions and the productiveness of the land for the crops to follow.

It is an excellent catch crop, makes good hay, silage, and pasture. Vetch can be sown from July until November, and should be sown broadcast at the rate of about 30 lbs. per acre together with one bushel of either oats or rye. Vetch grows quite tall and needs the oats or rye for support. They then make a better growth, and are more easily harvested and cured. For a hay crop the Vetch should be cut just after the oats or rye has headed out. The yield of green fodder is immense..Lb. 25c

SPRING VETCHES OR TARES. Similar in growth to Sand Vetch, but for spring planting only.....Lb. 15c

HEMP SEED. This is a crop that deserves more attention. The seed can be marketed with us. The fiber is in demand in the Eastern markets.
Lb. 10c

JERUSALEM ARTICHOKE. A well known vegetable produced from tubers like potatoes, which they resemble somewhat. Excellent food for stock. Do best in light rich soil, when an open exposure, but will resist any degree of cold incident to the United States. Planted like potatoes and as early as the ground will permit in May. Can remain in ground all winter as freezing does not hurt them. Yield up to 500 bushels per acre..Lb. 5c; bu. $1.50

SUNFLOWER, MAMMOTH RUSSIAN. Single heads measure 15 to 20 inches in diameter, and contain an immense amount of seed, which is highly valued by all farmers and poultry breeders who have tried it as an excellent and cheap food for fowls. For poultry it is the best egg-producing fruit known. It can be raised cheaper than corn, and is destined to be an article of great value. Every farmer should plant some of the seed in any waste piece of ground any time from early spring to the middle of July. Three pounds of seed will plant one acre.
Lb. 10c; 3 lbs. 25c

Seeds go at parcel post rates, Allow 5c per lb. for small lots and regular parcel post charges for larger quantities.

FOR PRICES OF FIELD SEEDS SEE OUR PINK LIST. MAILED FREE ANY TIME

MISCELLANEOUS FIELD SEEDS

SILVER HULLED BUCKWHEAT. An improved sort, much excelling the old common variety which it has about superseded with us. It blooms longer, matures sooner, and yields double the amount per acre. Husks thinner, corners less prominent and seeds of a beautiful light gray color. Flour made of this variety is pronounced better and more nutritious than others. Thirty to fifty pounds to an acre.....Lb. 10c

CANARY SEED. As easily grown as wheat. Requires similar culture. 20 to 30 pounds to an acre. We are in the market for seed.....Lb. 10c

JAPANESE BUCKWHEAT. A new variety that has been raised here with good success. Early and very productive, with kernels twice the size of any other buckwheat, of a dark rich brown color and makes a superior flour. As it possesses a branching habit only half as much seed is required to plant an acre. Straw is very stiff and stands well up. Lb. 10c

FLAX SEED. Largely grown in this State for seed. Sow one-half to three-quarters bushel to the acre. Can furnish choice, re-cleaned seed any time at market price.

BEARDLESS BARLEY

GRAINS

We give special attention to our grain, procuring them from reliable growers who select for seed. We then reclean the grain in our warehouses. We do not give prices in the catalog as these prices fluctuate with the market. We enclose our Pink List with the catalog and will be glad to send this list any time you ask for it.

BARLEY

Sow 60 to 90 pounds per acre.

SIX-ROWED BARLEY. This barley succeeds best on lands more sandy and lighter than those adapted to wheat. It is sown in the spring, and can be grown farther North than any other grain. Sow from two to two and a half bushels per acre.

CHAMPION BEARDLESS BARLEY. A new beardless barley, earliest barley known, about ten days earlier than other kinds. A good yielder, six-rowed and strictly beardless. It can be handled as easy as oats. This barley is not strictly pure and has a few bearded heads in it.

WHITE HULLESS BARLEY. This is used mainly for food, and it produces one of the best hog fatteners that we know of. It is equal to the best Kansas, Iowa, Nebraska or Illinois corn, as a fattener, and it is surer than most any other crop. The yield the past season was fifty bushels to the acre. Hulless barley did splendidly. We are urging farmers and stock raisers to give this splendid sort a trial.

WINTER BARLEY. Has a stooling habit like rye. Makes fine winter pasture. Should be sown in September.

OATS

Sow 50 to 65 pounds per acre.

No crop gives better results by change of seeds than oats. If you have been re-seeding the same strain for several years, now is the time to change. Do not compare our select re-cleaned strains with the common oats frequently offered as seed oats.

NEW KHERSON. The plant is a vigourous but not a rapid grower. The straw is short and on the same land it stands shorter than any other oats tested. It is not a side oat. The berries are a light yellow in color, small but numerous, and have a very thin hull. They usually weigh well per bushel, and in this respect, as well as in yield per acre, they have led all other varieties.

RED RUST-PROOF. Largely grown in this State; it is a heavy yielder and sure cropper and entirely rust-proof, makes a very heavy grain. The stock in this variety is Kansas grown from stock obtained from Texas, which will, we are sure, prove satisfactory.

NEW SIXTY DAY OATS. This new variety is highly recommended by our State Agricultural College. Its particular merits are its rust-proof qualities which are very marked indeed. It has very stiff straw, a point which will prevent lodging in seasons where the straw will make a rank growth. Farmers who have grown this variety are delighted with it and say it is from three to five days earlier than the Kherson. Try it. We recommend it very strongly.

WINTER TURF OATS. Sown early, are the best yielding and produce finer quality grain than spring oats. In good land they grow four to five feet tall, producing a splendid yield of very finest grain oats, which is so full of kernel that a measured bushel runs 40 to 42 pounds. The straw is not coarse and hard and if the oats are cut green, will make good hay. They stand up well. They require 1½ to 2 bushels per acre.

Seeds go at parcel post rates. Allow 5c per lb. for small lots and regular parcel post charges for larger quantities.

FOR PRICES OF FIELD SEEDS SEE OUR PINK LIST. MAILED FREE ANY TIME

GRAINS—Continued

RED TURKEY WHEAT (Over 50 Bushels per Acre)
Courtesy Kansas State Agricultural College.

BARTELDES' SELECTED SEED WHEAT, RYE AND SPELTZ

SEED WHEAT

We can furnish, in the fall, several good varieties of seed wheat. The varieties we consider the best are as follows:

MIRACLE WHEAT. A new variety of soft wheat making record yields. The best drought-resisting variety known. Seldom troubled with insects that effect other varieties. Makes a very thick stemmed straw with heads well filled.

MEDITERRANEAN OR BLUE STEM. This is the best blue stem wheat of which we have knowledge. It is free from beards and entirely free from rust.

We would be very pleased to send samples, descriptions and prices in season.

FREE
BARTELDES' FARM GUIDE
BARTELDES' COOK BOOK
See Under Novelties

GENUINE HARDY WINTER EMMER

There is no grain crop that has received such flattering reports from the United States Department of Agriculture as Winter Emmer. Seed is sown about the same time as winter wheat and the soil should be prepared in the same way. Emmer will stand more dry weather than oats will, and will also out-yield oats. Seed that we offer yielded 50 bushels per acre. In feeding experiments Emmer has been found to be better than barley or oats. Will also make an abundance of fine pasture. The plants are very hardy and produce rather coarse leaves that are resistant to the most severe drought. It is therefore, a crop that is well adapted to the general conditions of Oklahoma, Texas, Kansas and Colorado. It requires about 50 to 60 lbs. of seed to sow an acre.

WE CAN FURNISH BLACK OR WHITE SEEDED

A SPRING WHEAT

MACARONI WHEAT "KUBANKA." A Wheat that will grow where other varieties fail. The last three seasons have brought to us many samples of Macaroni or Durum Wheat to be tested. We have followed the experiments very carefully and now we are convinced the variety "Kubanka" is the most satisfactory. The variety is no longer an experiment for yield or quality of grain. In fact we hear nothing but praise of its wonderful drought-resisting qualities and heavy yield. The reports of yield are from 28 bushels to 45 bushels per acre and many report such yields without irrigation. Minneapolis and Illinois millers have bought the grain this last season from us for milling.

SEED RYE. Rye does best in rich sandy soil, and is a sure cropper almost every year. Should be sown in August or September either in drills or broadcast at the rate of one to one and a half bushels to the acre.

SPELTZ OR EMMER. A grain for dry lands introduced from Russia. This is a remarkable grain, and should receive the attention of all farmers. It is a species of drought-resisting Barley, and not inclined to rust. It will produce a fair crop under almost any condition of climate. but grows best in dry prairie regions with hot summers, giving excellent results. Thrives on poor land in stony ground. The experiment stations of both Dakotas report that it resists drought more than oats or barley. All animals eat it greedily and are fond of the straw. It will undoubtedly become a regular valuable crop for stock feed. Sow 70 to 80 pounds per acre very early, same as barley or oats. Our seed is Kansas grown and acclimated.

Seeds go at parcel post rates. Allow 5c per lb. for small lots and regular parcel post charges for larger quantities.

FOR PRICES OF FIELD SEEDS SEE OUR PINK LIST. MAILED FREE ANY TIME

Chufas or Earth Almonds

Planted for hog feed like Artichoke tubers. They grow under the ground very near the surface. Easily reached by pigs and chickens. Requires about 15 lbs. of seed per acre.....Lb. 15c

COTTON SEED

Mebane's Early Triumph

BIG BOLL COTTON

Best for Oklahoma

Originated in Texas. Big Boll; in fact an immense boll, 46 to 50 bolls making 1 lb. of seed cotton. Earlier than most big boll cottons. About 39 per cent of lint at the gin. Seed fuzzy, medium in size, brownish and greenish-white, with some green seeds showing its hybrid character. Storm-resistant. This variety has been especially satisfactory in regions infested with the boll weevil, and is there sold in large amounts and at high prices. Its lint percentage is often 40 to 42. This seed was distributed by the Agricultural Department and excited great interest and general approbation in Texas. The demand for this seed will be heavy after this year. We have growing contracts in large amounts.

The largest cotton seed wholesale dealers in Texas write us: "The Mebane Triumph Big Boll Cotton matures just one week later than the King, from seed raised in Texas, but I am under the impression that seed raised in your latitude, or further north, would mature in this climate equally as early as the King, and the Mebane cotton is so far superior to the King in every other feature that I believe it is the coming cotton of the two. I was the first person to introduce the Mebane into South Texas and it is now the most popular cotton we have. It produces 30 to 40 per cent lint; is easily picked and at the same time is in a measure storm-proof."

The originator says: "This cotton has a strong, thrifty, deep-rooted stalk that resists drouth well. Has long limbs with short points. Begins to form bolls near the ground and close to stalk. Bolls are large, mostly five-lock. Produce large, well-developed bolls at top of stalk and end of limbs to the end of the season. Fifty of the largest bolls made a pound. The cotton stays in well after opening. It is the earliest big boll cotton. 1,300 to 1,500 pounds seed cotton made 500 to 600 pounds bale."

This variety has been well recommended by the Oklahoma Experiment Station as well as by experts to be the best for Oklahoma.

ASK FOR PRICES

MEBANE'S EARLY TRIUMPH

Rowden Early Big Boll

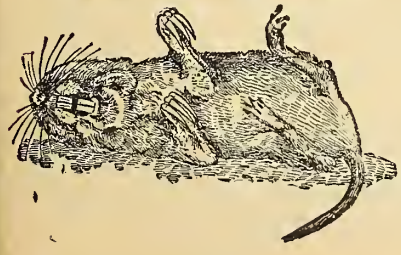
Rowden Early Big Boll Cotton. Early, for boll weevil lands; lint 15-16 inch. It originated in Texas, big boll, 50 bolls making one pound seed cotton. Bolls are pointed. Quite storm-resistant. Locks mostly five; hang together and picking with it is quite easy. Lint precentage is above medium; maturity medium, staple medium. It is one of the prime favorite varieties in the boll weevil region of Texas. Recommended by Government experts to be a good variety for Oklahoma.

ASK FOR PRICES

ROWDEN EARLY BIG BOLL

GOPHERGO

(Machine Poisoned Raisins)



Machine-Poisoned Raisins and Grain

Gophergo does the work every time. It is sure to kill, cheap and easy to use. It will exterminate gophers, prairie dogs, rabbits, rats and mice. Gophergo is the only prepared poison that will get a gopher. Directions how to use on every package.

½-lb. can 25c; 1-lb. can 50c; 3-lb. can $1.00

TREE SEEDS

EXCEPT WHEN QUOTED BY THE POUND, PRICES GIVEN INCLUDE POSTAGE

The growing of forest trees is in the case of some varieties, a very simple and easy process, requiring but little care or skill on the part of the grower. Other varieties require special treatment and great care and attention to insure success, while some are very difficult to grow, and with such planters are not very likely to succeed until after having made repeated failures. One important fact in connection with this subject must always be kept in view, and that is, it takes time for these seeds to germinate, in some cases only a few days, in others several weeks, while quite frequently they will be dormant the whole season before commencing to grow. It often happens that seed of a given variety, all taken from the tree at one time, sown together and subjected to the same treatment, will show great irregularity in time of germinating, some coming up in a few days, others not until the next season and still others not until the season following.

CONIFERS AND EVERGREENS. Tree seeds should be kept in perfectly dry sand until the time of sowing. If this cannot be done readily, place them in a cool, dry spot, where mice will not eat them. Chestnuts and walnuts should be planted in the fall, or kept during the winter in sand and moss; they shrivel up by too long exposure to the air, and many of them lose their power of germination entirely. Apple, pear and quince seeds, cherry pits, also those with hard shells, like the locust, magnolias, etc., should be planted in boxes with sand and exposed to the frost before planting, otherwise they may not germinate until the second year after planting, but if these seeds arrive too late in the spring to expose them to the action of the frost they may be put into a vessel of hot water for an hour or so before planting. The seeds of other deciduous trees and shrubs, with few exceptions, can be planted from the end of March to the middle of May with great success.

THE SOIL should be deep, rich and mellow. If not rich apply a good liberal dressing of any old, well decomposed manure; mix thoroughly with the soil, rake all down smooth and level and your seed bed is ready. Now draw a line across one side of the plat, and make a shallow trench from a half to one inch deep, according to the size of the seed to be sown; make the trench about six inches wide, scatter the seeds over the bottom, but not too thickly, and cover the seeds to about the thickness of the seeds as evenly as possible, then press the beds gently with the back of the spade to make firm the earth around the seeds.

GREAT CARE must be taken not to give too much water, as the young plants imbibe water very easily. Water with a fine hose, but never so that the ground becomes soggy. Some shade must be used to protect the young plants from the hot sun and drying winds, and also to keep the birds from destroying them.

The trenches or drills are to be two feet apart so that the hoe, or garden cultivator can be used in cultivation. Keep the soil loose between the rows, and keep them clear of weeds. Seeds of the rarer sort may be sown in cold frames, or in boxes; if in cold frames, the sashes should be added and the frames raised at the corners three or four inches to allow air to circulate freely. Allow the young plants to remain from one to two years before transplanting.

For timber claims on our prairies we recommend to plant black Walnut, Catalpa, Russian Mulberry, Ash, Box Elder.

FRUIT SEEDS

APPLE. Apple seeds do not produce the same variety but an inferior, though hardy stock. Upon the stock thus raised from the seed are grafted or budded the cuttings of such varieties as are desired. The seed may be planted in good time in any soil during the winter in the South, or early in the spring; it must first be frozen which can be done during the winter by laying the seed in layers in the boxes and covering them with sand, and exposing them to the cold freezing weather. After freezing the seed must not be allowed to become dry, or many will be spoiled if deprived of all moisture.

French Crabapple.....lb. 50c: bu. $12.00

RUSSIAN APRICOTS. The hardiest of the Apricots. In its native land it flourishes as far north as the mountains of Duharia, in Siberia. It was brought to the United States about 1857 by the Russian Mennonites, and was extensively planted by them in their Kansas and Nebraska settlements. Fruit medium-sized and of the best quality.

Oz. 10c; lb. 60c.

QUINCE. Quinces generally produce the same variety from the seed, but occasionally vary. The stock is used most for budding and grafting the pear. The fruit is used for preserves, pies, tarts, etc. The mucilage from the seed is often used as a toilet article for the hair. The culture from the seed is the same as the apple.....Oz. 20c; lb. $2.00.

MAZZARD CHERRY. Another variety used extensively for grafting.....Oz. 10c; lb. 40c.

MAHALEB CHERRIES. The remarks regarding apples are applicable to cherries. This variety is considered the best stock upon which to graft the choicest sorts.....Oz. 10c; lb. 50c.

PEAR. Sow the seeds thickly in the spring in drills eighteen inches apart. The soil should be deep; a rich moist loam is most suitable. The value of the stock depends largely upon a rapid and vigorous growth; take them up in the autumn, shorten the tap root and set them in rows four feet apart, a foot apart in the row. The next season they will be fit to bud or graft, provided they have been well grown.....Oz. 15c; lb. $2.00

MYROBOLAN PLUM. The direction given for planting apples will apply to plums, except they should be planted farther apart in the rows. The varieties raised from seed will be inferior, but hardy, vigorous stock upon which to graft the choicest sorts.....Oz. 10c; lb. 50c.

GERMAN PRUNES. Treated same as preceding.....Oz. 10c; lb. 50c.

PEACH. Peach stock is raised by planting the stones two or three inches deep in the fall. If the stones are cracked they are most sure to grow. The after treatment is about the same as apples, though dudding can be commenced sooner than grafting in apple stock.....Lb. 10c; bu. $2.00.

SMALL FRUITS

CURRANTS, GOOSEBERRY, RASPBERRY, STRAWBERRY AND BLACKBERRY

(We have a fine stock of the above small fruit seeds.) Pkt. 10c; oz. 60c.

EVERGREENS

EUROPEAN LARCH. This variety is of great value for forest planting and is being extensively grown in the United States. Is easily transplanted if handled while dormant, but as it starts very early in the spring, it is best to transplant it in the fall, or procure the seeds and sow where wanted.

Pkt. 5c; oz. 20c; lb. $2.00

ARBOR VITAE, AMERICAN CEDAR. An evergreen of very great value for ornamental hedges. Its timber is exceedingly beautiful, lasting a hundred years in exposed situations without showing signs of decay.

Pkt. 5c; oz. 20c; lb. $2.00

CHINESE ARBOR VITAE. A very beautiful tree for towns and ornamental hedges, for which purpose it has been a long time in cultivation.

Pkt. 5c; oz. 20c; lb. $2.00

GOLDEN ARBOR VITAE. A variety of the preceding species with foliage of golden hue. Very pretty.....Pkt. 5c; oz. 40c; lb. $4.00

NORWAY SPRUCE. A very popular variety from Europe. It has been very extensively planted in this country for ornamental purposes, and also for timber and windbrakes. It is easily transplanted or grown from seed, and succeeds in a variety of soils and climates .....Pkt. 5c; oz. 20c; lb. $2.00

HEMLOCK SPRUCE. A well known evergreen of high Northern latitudes. It is one of the most graceful spruces with a light spreading spray, frequently branching almost to the ground. The wood is coarse-grained, but is used in great quantities for rough work. The bark is very extensively used in tanning. It is a beautiful tree for the lawn and makes a highly ornamental hedge.

Pkt. 5c; oz. 40c; lb. $4.00

TREE SEEDS—Continued

EVERGREENS—Continued

WHITE SPRUCE. It is a beautiful ornamental tree, noted for fine silvery foliage and graceful form.....Pkt. 5c; oz. 40c; lb. $4.00

AUSTRIAN PINE. A native of Europe. A very popular variety.....Pkt. 5c; oz. 20c; lb. $2.00

SCOTCH PINE. It is tough and hardy and of very rapid growth, adapted to a great variety of soil and climate.....Pkt. 5c; oz. 20c; lb. $2.00

MEDITERRANEAN PINE. A variety from Southern Europe.....Pkt. 5c; oz. 20c; lb. $2.00

WHITE OR WEYMOUTH PINE. The pine lumber of commerce is mostly the product of this species.....Pkt. 5c; oz. 25c; lb. $3.00

SWISS STONE PINE. Extremely rapid grower, but too tender for the North.
Pkt. 5c; oz. 25c; lb. $3.00

SILVER FIR. Like the preceding, but of larger size and coarser foliage...Pkt. 5c; oz. 15c; lb. $1.50

BALSAM FIR. It is in great demand for ornamental purposes.....Pkt. 5c; oz. 20c; lb. $2.00

RED CEDAR. Grown in all sections, very valuable timbers, a fine ornamental tree, will stand the dry, hot winds of Nebraska and Western Kansas, and is fine for wind breaks and around the farm house and stock yards....Pkt. 5c; oz. 10c; lb. 75c

BOXWOOD.....Pkt. 5c; oz. 25c; lb. $3.00

CYPRESS. They are very fine for ornamental purposes, and largely used for that.
Pkt. 5c; oz. 20c; lb. $2.00

ROCKY MOUNTAIN EVERGREEN

PICEA PUNGENS. (Colorado Blue Spruce.) From selected blue trees only.
Oz. 35c; ¼ lb. $1.25; lb. $4.00

ABIES DOUGLASII. (Douglas Spruce.) 45,000 seeds to the pound...Oz. 25c; ¼ lb. $1.25; lb. $4.00

PINUS PONDEROSA. (Yellow Pine.) 16,000 seeds to a pound.....Oz. 35c; ¼ lb. 85c; lb. $3.00

PICEA ENGLEMANII. (Similar to the Blue Spruce.).....Oz. 45c; ¼ lb. $1.25; lb. $4.00

JUNIPERUS VIRGINIANA. (Silver Cedar.)
Oz. 25c; ¼ lb. 75c; lb. $2.50

ABIES CONCOLOR. (Colorado Black Balsam.)
Oz. 25c; ¼ lb. $1.25; lb. $4.00

DECIDUOUS TREES

SUGAR MAPLE. This is one of our highly prized native trees.....Pkt. 5c; oz. 10c; lb. $1.00

SOFT OR SILVER LEAF MAPLE. One of the most beautiful of Maples. Can give prices in May.

WHITE ASH. This is one of the most valuable varieties for forest planting.
Pkt. 5c; oz. 10c; lb. 60c

EUROPEAN ASH.....Pkt. 5c; oz. 10c; lb. $1.00

WEEPING BIRCH....Pkt. 5c; oz. 25c; lb. 3.00

ASH-LEAVED MAPLE OR BOX ELDER.
Pkt. 5c; oz. 10c; lb. 60c

WHITE BIRCH.....Pkt. 5c; oz. 10c; lb. $1.00

EUROPEAN BEECH..Pkt. 5c; oz. 10c; lb. 1.00

WHITE ELM. It is the largest of the native elms, often growing to the height of 80 feet.
Pkt. 5c; oz. 10c; lb. 75c

EUROPEAN ELM.....Pkt. 5c; oz. 20c; lb. $1.50

AMERICAN BASSWOOD OR LINDEN.
Pkt. 5c; oz. 10c; lb. 1.00

EUROPEAN BASSWOOD.
Pkt. 5c; oz. 10c; lb. 1.00

AILANTHUS, TREE OF HEAVEN. Grows to large size, and the foliage has a rich tropical appearance.....Pkt. 5c; oz. 10c; lb. 60c

EUROPEAN ALDER..Pkt. 5c; oz. 10c; lb. $1.25

HOARY ALDER.....Pkt. 5c; oz. 20c; lb. 2.00

TEA'S JAPAN HYBRID CATALPA.
Pkt. 5c; oz. 15c; lb. 1.00

CATALPA SPECIOSA. Of all the trees that have been suggested as adapted to the formation of timber plantations, the Catalpas stand pre-eminent. It is exceedingly rapid in growth, its adaptation to most all soils and situations; its wide range of latitude; its extraordinary success on the Western and Northern prairies; the ease and certainty with which it is transplanted; the strong vitality and freedom from disease and insects; the incomparable value of its timber; the almost imperishable nature of the wood when used for posts, railroad ties and in other exposed situations, and the unrivaled beauty of its flowers, all point to the Catalpa as the tree to plant. The yearling Catalpa should be cut off above the ground. It will then insure a straight and stronger growth the following season. The same treatment applies on hard and soft Maples.
Pkt. 5c; oz. 15c; lb. $1.00

COTTONWOOD. A very quick growing tree; will grow anywhere; lumber not very valuable.
Pkt. 5c; oz. 15c; lb. $1.00

WHITE MULBERRY..Pkt. 5c; oz. 20c; lb. 2.00

BLACK MULBERRY. Same as preceding, but not so hardy.....Pkt. 5c; oz. 35c; lb. $2.50

RUSSIAN MULBERRY. Said to be most valuable for our climate.....Pkt. 5c; oz. 40c; lb. $4.00

YELLOW OR BLACK LOCUST. This variety is noted for its rapid growth of hard, durable timber.....Pkt. 5c; oz. 10c; lb. 50c

HONEY LOCUST. This is a large and handsome tree, the trunk and branches generally set with long and formidable spines.
Pkt. 5c; oz. 10c; lb. 60c

KENTUCKY COFFEE TREE.
Pkt. 5c; oz. 10c; lb. 50c

HAWTHORNE.....Pkt. 5c; oz. 15c; lb. $1.50

BARBERRY.....Pkt. 5c; oz. 15c; lb. 1.50

PURPLE-LEAVED BARBERRY.
Pkt. 5c; oz. 30c; lb. 4.00

OSAGE ORANGE. A native of Texas, but has been generally introduced over the country because of its extensive employment as a hedge plant.
Pkt. 5c; oz. 15c; lb. 60c

BLACK WALNUT. One of our most valuable varieties for timber planting.....Bu. $1.50

ENGLISH WALNUT.....Lb. 60c

SHELL BARK HICKORY.....Bu. $3.00

AMERICAN SWEET CHESTNUT. Native. Tree hardy. A rapid grower after a few years' growth.....Lb. 75c

PAWPAW.....Pkt. 5c; oz. 10c; lb. $1.00

HORNBEAM.....Pkt. 5c; oz. 10c; lb. 1.75

TULIP TREE.....Pkt. 5c; oz. 10c; lb. 80c

SYCAMORE. A native tree extending over a large portion of the United States.
Pkt. 5c; oz. 10c; lb. 80c

PERSIMMON.....Pkt. 5c; oz. 10c; lb. 80c

BLACK CHERRY.....Pkt. 5c; oz. 10c; lb. $1.00

HACKBERRY.....Pkt. 5c; oz. 10c; lb. 1.00

TREE CRANBERRY OR SNOWBALL.
Pkt. 5c; oz. 25c; lb. 3.00

BUCKTHORN.....Pkt. 5c; oz. 20c; lb. 2.00

RED BUD.....Pkt. 5c; oz. 20c; lb. 2.00

DOGWOOD.....Pkt. 5c; oz. 15c; lb. 1.50

SASSAFRAS.....Pkt. 5c; oz. 25c; lb. 2.00

SWEET GUM.....Pkt. 5c; oz. 40c; lb. 5.00

LILAC.....Pkt. 5c; oz. 20c; lb. 2.00

WHITE FRINGE.....Pkt. 5c; oz. 20c; lb. 2.00

GOLDEN CHAIN TREE.
Pkt. 5c; oz. 15c; lb. 1.50

CALYCANTHUS.....Pkt. 5c; oz. 20c; lb. 2.00

WITCH HAZEL.....Pkt. 5c; oz. 25c; lb. 3.00

Barteldes' O. K. Chick Food

Barteldes' O. K. Scratching Food

Barteldes Seed Company are the pioneers in the manufacture and introduction of dry grain, finely granulated, balanced ration, machinery mixed Poultry Foods.

Barteldes O. K. Chick and Scratching Foods are put up in 10-lb., 25-lb., 50-lb. and 100-lb. sealed bags bearing our O. K. seal. We, therefore, warn you to accept nothing from your dealers unless it bears our seal, as there are other manufacturers that are trying to imitate our O. K. brand by offering feeds at a little less money and they claim it is just as good as ours. Be on your guard and get our O. K. Brand put up in sealed bags only.

Barteldes O. K. Scratching Food **Barteldes O. K. Chick Food**

SEE PINK LIST FOR PRICES

OYSTER SHELLS

Valuable as an egg producer.....Lb. 5c; 10 lbs. 25c; 100 lbs. 90c

PURE GROUND FLAX SEED

Should be fed to all fowls during moulting season, as it helps the birds to produce fine plumage. Should be fed daily throughout the winter, as it is a valuable egg producer.

3 lbs. 25c; 25 lbs. $1.75

DRIED BLOOD

It is odorless and contains only pure blood, which makes it the cheapest egg food on the market today. This highly concentrated form of animal food, rich in albumen and egg forming materials. . $3.50 per 100 lbs.

GROUND BONE

Bone is rich in bone phosphate of lime. It will pay you to always have bone before your chickens. It invigorates the system and develops egg laying qualities. It will keep them in the pink of condition and enables them to bear up under the egg forcing process. Coarse, Medium and Fine. . $3.50 per 100 lbs.

SUNFLOWER SEED

The growth of a new crop of feathers is a severe drain on the vitality and even when it occurs naturally, fowls should have extra feed and care. The grain ration should be increased a third and here is where Sunflower Seed is an ideal food in the production of the new coat of feathers and a general upbuilding of the system.....$7.00 per 100 lbs.

GROUND OIL CAKE

A little given about three or four times a week during the moulting period will be of great benefit to bring the fowls back in laying condition.....10 lbs. 35c; $2.40 per 100 lbs.

CRACKED PEAS FOR PIGEONS

Extra choice recleaned small cracked peas extensively used for pigeons. We offer them at a very low price.....$3.00 per 100 lbs.

ALFALFA MEAL

We offer to our poultry patrons the best and finest meal yet produced. We see that every part of the alfalfa stalk, leaf and blossom are ground together. The fowls get the full benefit of all substance and material entering into this great food product, making it a natural perfectly balanced ration. It is readily mixed with any kind of mash or ground food and can be fed to young chicks as well as old birds.

$1.25 per 100 lbs.

BEEF SCRAPS

This is the finest prepared meat for poultry we know of to cause hens to lay during the winter months. Feed a little every day in with the daily mash and you will find it very profitable.....$3.75 per 100 lbs.

BEEF MEAL

Made from Meat Scraps. A very rich food for growing chicks and laying hens. Poultrymen will also find this a profitable food to produce the high priced winter eggs.....$3.50 per 100 lbs.

FINE POULTRY BONE MEAL

Ground fine for small chickens, it can be mixed with mash in limited quantities.

10-lb. sacks 40c; 25-lb. sacks 90c; 100-lb. sacks, $3.00

Feed your chickens pure food. You will be rewarded by having lots of eggs when your neighbors have none.

CHARCOAL

Barteldes O. K. Brand prevents cholera and other diseases peculiar to poultry. Every poultry raiser should have charcoal in his yard. Our O. K. re-cleaned charcoal is best.

2-lb. pkgs. 10c; 50-lb. bags $1.25

MICO-SPAR, CUBICAL GRIT

Has a mission in the poultry yard—that mission is to make and keep hens healthy. It is able to do this because it retains during the process of digestion its rough, hard form. Hens ought to eat it. In honest test at poultry shows hens have shown their preference for this kind of grit. We carry three sizes. No. 2, the coarsest, No. 3, medium, and No. 4, the finest.

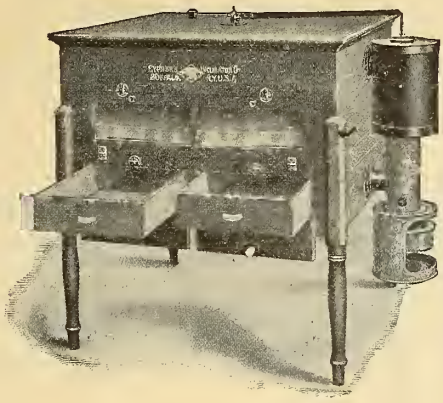
Price for all sizes, lb. 5c; 10 lbs. 30c; 100 lbs. $1.10

CYPHERS INCUBATORS

Cyphers

Stands

The Test



We are Sole Agents for The State of Oklahoma

No. 3. Standard Cyphers Incubators, 390-egg capacity, price $44.00. Fire-proofed, non-moisture, self-regulating, self-ventilating, equipped with patent nursery drawers and covered by manufacturer's guaranty of "Satisfaction, or Your Money Back."

Since first introduced have born an unequaled reputation so far as the fire risks are concerned, as established by the affidavits of agents and salesmen and as confirmed by the records of the insurance companies; therefore the standard type of incubators manufactured by this company fared well at the hands of the Mechanical and Consulting Engineers as may be seen by reference to the Rules and Requirements recommended by them. Nevertheless, they wished to make doubly sure of safety in use of even the Standard Cyphers, hence saw fit to require several minor changes in the location and insulation of the heater, and to require the adoption of a method of fire-proofing the heater end of the Standard Cyphers in such a manner as would accomplish the following results:

No. 1. So that fire from the oil flame (or lamp) "cannot communicate to the incubator case."

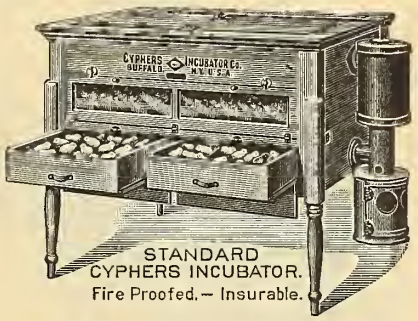
No. 2. So that Oil cannot drip from the lamp, nor fire communicate therefrom to the floor of the room in which the incubator is operated.

No. 3. So that the lamp cannot "be filled without removal from the incubator lamp or support."

No. 4. So that the lamp cannot "be accidentally jarred or dislodged" from the support.

No. 5. So that the lamp "will at all times be held in proper position and alignment" with the heat flue to heater.

No. 6. So that the lamp can be readily "removed and replaced by the operator without spilling the oil."



No. 2. Standard Cyphers Incubator
244-Egg Capacity:

Price $37; fire-proofed, non-moisture, self-regulating and covered by manufacturers' guaranty of "satisfaction or your money back."

Price List of Incubators

Genuine Standard Cyphers, Fire-Proofed and Insurable

No. 0— 70 Hen Eggs, 56 Duck Eggs $16.00
No. 1—144 Hen Eggs, 112 Duck Eggs 25.00
No. 2—244 Hen Eggs, 200 Duck Eggs 37.00
No. 3—390 Hen Eggs, 300 Duck Eggs 44.00

Extra Parts for Incubators and Brooders

We carry a large supply of extra parts for Cyphers, Robert Essex and Buckeye Incubators and Brooders. In ordering parts, give the number if specified; also state in what year the machine was made or bought.

LOOK FOR INSPECTED LABELS

CYPHERS BROODERS AND HOVERS

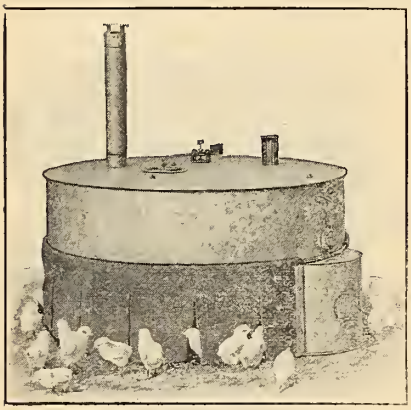
Cyphers Portable Brooding Hover

THE SELF-REGULATING AND SELF-VENTILATING, ALL-METAL PORTABLE HOVER illustrated herewith, is a modification of the Adaptable Hover, as manufactured and sold by Cyphers Incubator Company for years and **embodies the long-tested principles of that widely popular device.**

TWO FACTS in connection with this brooding device will at once appeal to the mind of the reader: First, the word portable means "movable"—that is, this hover can be picked up and moved with ease from one place to another, for cleaning purposes or otherwise, **without even turning down the lamp flame;** second, it uses the floor of the room, house, coop or other apartment in which it is operated, as the **floor of the brooding space,** therefore for ordinary use a separate enclosure, such as a brooder case, is not required.

This type of Hover is designed strictly for **indoor use**—that is, it should never be operated out in the open, where it will be **exposed directly** to wind and storm. It is meant for use in a room of a dwelling or any similar apartment, in an ordinary poultry house, in a brooding house, in a colony house or in a good-sized colony roosting coop.

The Cyphers Portable Hover is constructed throughout of metal, except the brooding curtain, and with reasonable care **will last a lifetime.** There is nothing about it to wear out or give out, except that once a month or such a matter a new wick will be needed. The lamp has a seamless bottom, and therefore cannot spring a leak. The all-brass burner is strictly first-class. There is **nothing** about this hover to take fire or burn up.



This illustration shows the Cyphers Company Portable Hover in use on floor of poultry house or any well-lighted room or apartment. Chicks at all times are on a level with the surrounding floor and therefore have no steps or incline to travel up and down.

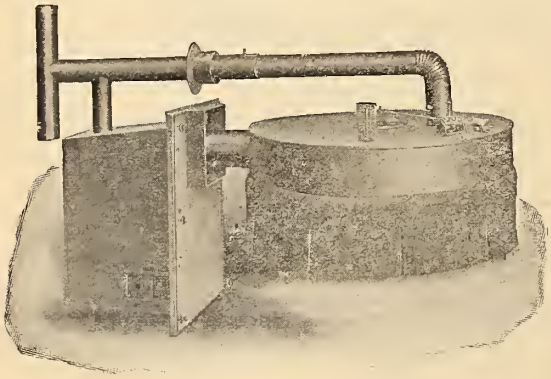
Price

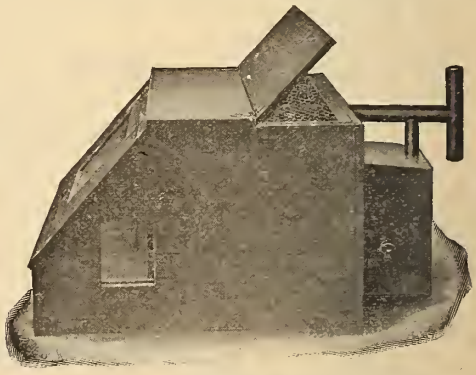
Cyphers Company Self-Regulating and Self-Ventilating, All-Metal Portable Hover, complete with seamless lamp bowl, burner, chimney, regulating device, tested brooder thermometer, double curtains, etc., $10.00.

Weight, safely boxed for shipment, about 40 lbs. Can be shipped by freight or express.

Cyphers Style D Indoor

Self-Regulating, Self-Ventilating Brooder, equipped with Adaptable Hover, Complete and bearing "Inspected Brooder" label.....Price $14.50





Cyphers Adaptable Hover

Self-Regulating, for use in Colony houses, home made Brooders, etc. It may be moved from one coop or brooder to another at will.....Price $13.00

BUCKEYE INCUBATOR

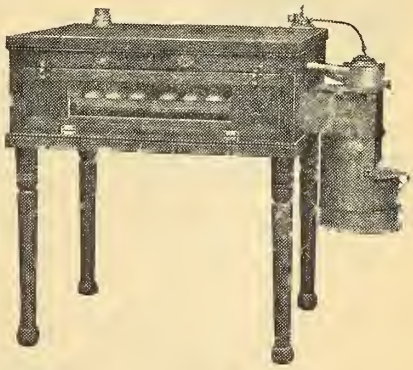
Every Buckeye Incubator is **guaranteed** to hatch every hatchable egg and remain in perfect working order for five years.
There are over 225,000 of them in successful operation.
They are so simple that a beginner can operate them just as successfully as an experienced poultryman.
And—they don't cost much.
If you keep chickens you need an incubator; and if you need an incubator—buy a Buckeye.
That five-year guarantee assures success.
"Anybody can hatch chickens with a Buckeye."

Standard "60"—$15.00

Capacity, 60 Eggs
Complete with Nursery
Equipped with Underwriters' Insurance Label.

Standard "110"—$21.00

Capacity, 110 Eggs
Complete with Nursery
Equipped with Underwriters' Insurance Label.



Buckeye 50-Chick Brooders

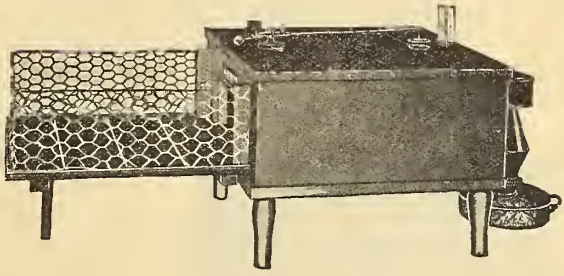
Chicks that are hatched by an incubator must be provided with a brooder. The Brooder is an artificial mother that keeps them warm and cares for them just like an old hen. We can recommend Buckeye Brooders to our customers with the assurance that they will raise every raisable chick.

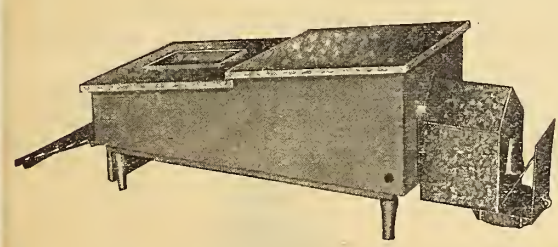
No. 1 Indoor Brooder

OVERHEAD HOT WATER SYSTEM

This Brooder is equipped with a thermometer that will regulate the heat to any desired temperature and keep it there. No possible chance of chilling or overheating.

Crated for shipment weighs 50 lbs. and is complete with lamp, thermometer, heat regulator and yard $6.00

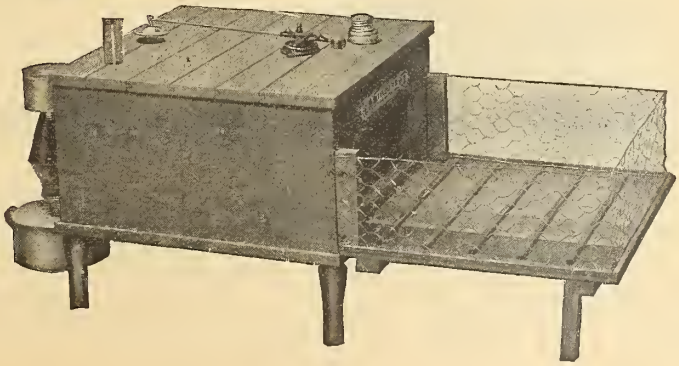




No. 2 Outdoor Brooder

OVERHEAD HOT WATER SYSTEM

This system can be used outdoors in any kind of weather. Roof is of galvanized steel and has one sky-light. Weight, crated for shipment, 80 lbs. Complete, ready for use $7.50



No. 3—Indoor

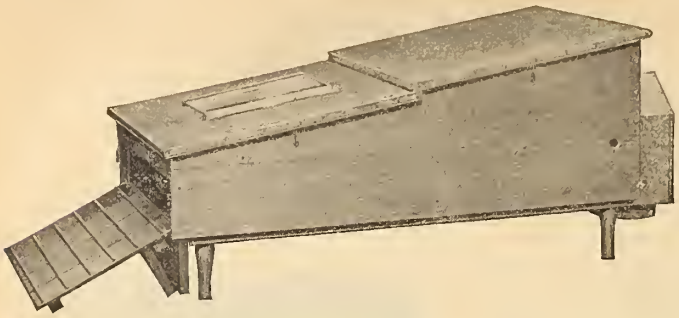
CAPACITY, 100 CHICKS

Size of house, 26x26 inches.

Size of yard, 20x26 inches.

Weight, crated for shipment, 80 pounds.

Complete, ready for use $6.00



No. 4—Outdoor

CAPACITY, 100 CHICKS

Dimensions, 52x26 inches.

Weight, crated for shipment, 150 pounds.

Complete, ready for use.....$11.00

No. 4 Buckeye Lampless

Constructed the same as our No. 4 Outdoor type, except that it has no lamp, but it is fitted with a hover made of heavy wool felt, which will supply enough heat to the chicks' bodies to keep them good and comfortable. Capacity, 100 chicks.....$7.50

No. 3 Buckeye Lampless Brooder

Constructed the same as No. 3 Indoor, same size and capacity. Instead of using a lamp it is equipped with a heavy wool felt hover, which will supply enough heat to keep the chicks warm and comfortable.....$5.00

The Buckeye Standard Colony Brooder

THE MOST REMARKABLE COAL-BURNING BROODER EVER INVENTED

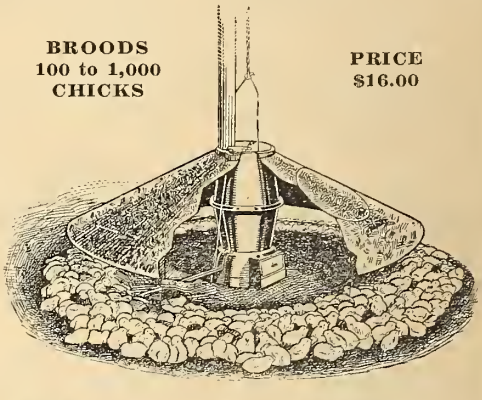
Self-feeding, Self-regulating, Simple, Safe, Everlasting.

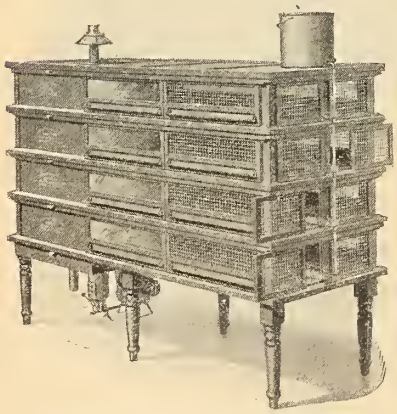
Guaranteed operating cost less than six cents per day.

SAVES LABOR—TIME AND MONEY

BROODS 100 to 1,000 CHICKS

PRICE $16.00





Four Section Paradise Brooder. Capacity 400 chicks, in eight separate lots of 50 chicks each

PARADISE BROODER

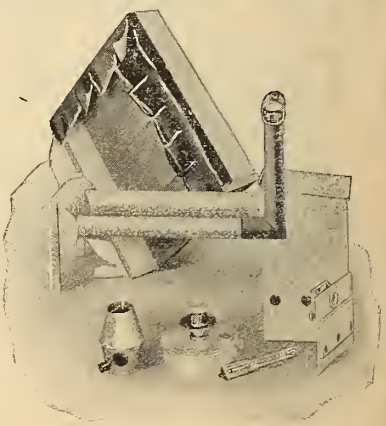
The Paradise Brooder can be operated in a dwelling house, store room, stable, poultry building or any other structure where the temperature does not go to freezing. Two brooders, complete, four sections each, having a combined capacity of 800 chicks, can be operated in a room 12x12 ft. with every convenience. Size of each brooder (floor space), is 3x7 ft., and an eighteen or twenty-four inch aisle is needed at ends and sides for operator.

Price of Base Section, complete (including Heater, Cover, Legs, Ventilating Cap and Water Can, supplied with Base Section only), crated for shipment, with directions for use. $22.00
Additional Sections, each..... 16.00

ESSEX MODEL PORTABLE HOVER

The separate parts of Essex Model Portable Hover, including galvanized iron lamp box with lamp and chimney, heat pipes and drum. Wooden hover with patent cloth curtain and brooder thermometer, all complete.

Capacity 150 chicks. Price.....$7.50



Essex Model, Portable Hover.

THE WORLD-FAMOUS "ESSEX MODEL"

The Essex Model Standard is the only hardwood Incubator made.

The Essex Incubators are known the world over as the best hatchers, in addition to being the only hardwood incubator. They possess double walls and tops, thoroughly insulated and packed; doors of double glass metal heaters with heavy asbestos jacket. They are the highest grade Incubators manufactured anywhere at any price.

Standard No. 0 Essex Model, 100 Eggs. Price $17.00

They are made of high grade chestnut wood, double walls, perfectly packed and insulated with layers of laminated cotton and strawboard. Equipped with Essex corrugated Thermostat, insuring automatic regulation.

Standard No. 0, Essex Model, 100 Eggs. Price.....$17.00

STANDARD No. 2.

Standard No. 2 Essex Model, 275 Eggs Price $28.00

The best constructed and appearing Incubator made. This size is especially designed for poultry plants and is used by the leading poultry men throughout the country.

Price.....$28.00

The Essex Model "Middle-Priced" Incubators

Like all other Essex Models, they are thoroughly well made. Double walls packed and perfectly insulated. Top packed and perfectly insulated with laminated cotton. Equipped with the Essex corrugated Thermostat, insuring entirely automatic regulation. Positively self-ventilating, no slides or valves to operate or to confuse you. These machines are unequaled by any other medium priced make. They are reasonable in price as to be within the reach of everybody.

The Middle Price

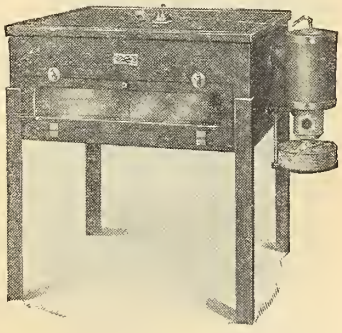
Essex Model Incubator. No. A. Holds 70 eggs. Mission finish. Latest improved design. Price.....$10.00

The Middle Price Essex Model Incubator

No. B. Holds 120 eggs. Mission finish. Latest improved design. Price.....$13.00

The Middle Price Essex Model Incubator

No. C. Holds 200 eggs. Mission finish. Latest improved design. Price.....$17.00

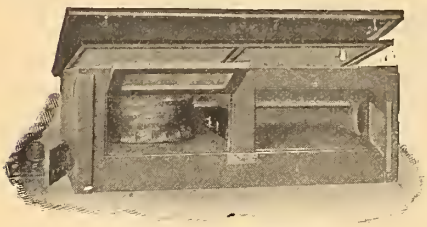


No. C.

ESSEX MODEL BROODERS

All Essex Model outdoor Brooders are of the Colony type. This company was the first to manufacture the type of Brooder that is known as Colony. The Essex Model Brooders are easily operated by beginners. No previous experience is necessary. They are most desirable in their simplicity in providing comfort and healthful conditions for chicks.

Essex Model Combination Outdoor and Indoor Brooder Model A



No. A. BROODER

The illustration shows the roof raised, also the supplementary roof or diaphragm by which this brooder is automatically ventilated.

The Essex Model A Brooder can be converted into a Roost Coop by removing the hover, covering the hole in the floor with a piece of tin, and placing the roosts in position, with cleats at both ends, thereby avoiding the necessity for buying a coop for the young chicks when they no longer need artificial heat. All the equipment being taken out of the Brooder, leaves the entire floor space unobstructed for use of the chicks.

Essex Model A Brooder is 47½x28¼ inches in size, and has a capacity of 100 chicks. Price.....$11.00

Essex Model C Outdoor Colony Brooder

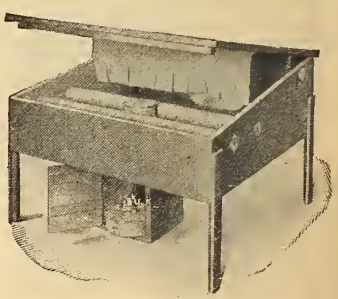
This is the world's leading and original three-apartment Outdoor Brooder. It is equipped with Portable Hover and improved heating equipment. Withstands zero weather and the strongest windstorms. Roof has three thicknesses and triple walls. Capacity 150 chicks.
Price.....$18.00

Essex Model Chicks' Comfort Hover

Made wholly of heavy galvanized iron, possessing lamp, chimney, metal and wire chick guard, thermometer and sanitary enameled cloth curtain, all complete. Size 28 inches diameter. Capacity 150 to 250 chicks. Price.....$7.00

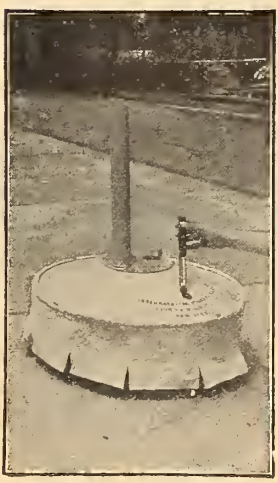
Essex Model New Homestead Brooder

Here is the lowest priced Brooder substantially constructed, and is considerably in advance of the kind usually sold at the price we ask for it. It can be used either indoors or outdoors. It is divided into two apartments by the hover cloth. It has ample floor space and light. It accommodates 75 to 100 chicks.
Price.....$6.00



HOMESTEAD BROODER

THE INTERNATIONAL SANITARY HOVER



No carpenter work is required to set up the Sanitary Hover, no cutting of holes or building of platforms. The Hover sets on the floor just as the mother hen does. The Sanitary Hover can be picked up and carried around with ease and used anywhere. It is well suited to portable brooders and colony houses, provided they are at least 30 inches wide, but will yield equally good results in a hen house, barn or cow stall, a piano or an organ case, or even a dry goods box sheltered from wind and rain. Expensive brooder houses have been rendered unnecessary by the Sanitary Hover.

Another Valuable Feature

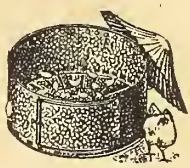
During the fall and winter months the Sanitary Hover can be used to sprout oats and so provide the winter supply of green food. Twelve quarts of oats sprouted under the Sanitary Hover will give in eight days 2½ bushels of green food, enough to feed 500 laying hens three days. As an oat sprouter alone the Sanitary Hover will pay for itself many times over. We are agents for the Sanitary Hover and have it on exhibition on our floor. A cordial invitation is extended to customers to call and examine the same.
Price complete.....$8.50

BARTELDES' STANDARD BROOD COOP

THE STANDARD COOP
PAT. APPLIED FOR
The Door of the Standard Coop may he slid around the body, uncovering all openings, or

it may he opened just far enough to uncover the sma.l opening—keeping the Mother Hen in and allowing the small chickens their liberty.

You will notice the Standard Coop is collapsahle. The ahove cut also shows heavily corrugated hottom and Storm Proof Ventilators.



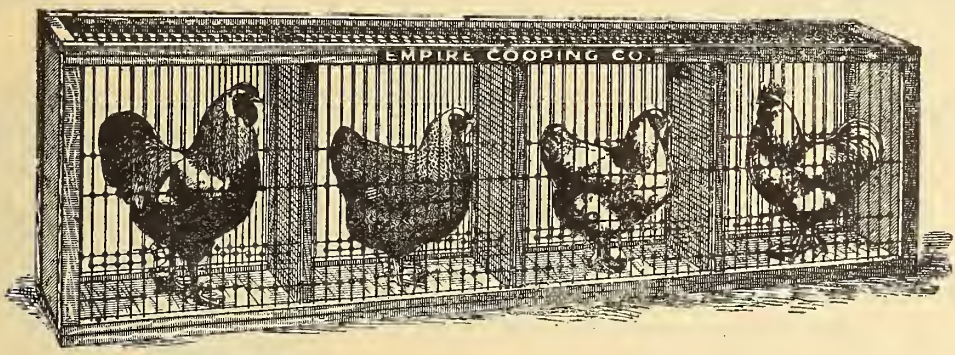
On dewy mornings the top is easily removed or replaced at any point and the small chickens are fed on the floor of the Coop, which is always high and dr

Here is the largest and best ventilated Brood Coop offered for the money today. Being round it is absolutely sanitary, there being no corners for dirt and vermin to accumulate, and on account of being round there is no chance for the chicks to crowd and suffocate. It has two doors; one closes entirely for nights and cold weather use, the other has small holes cut in it to allow the chicks to go out and keep the mother hen in the coop—there is no danger of the young chicks wandering away. This coop is made of heavy galvanized iron, is well ventilated on top and bottom. Has a long corrugated floor that rests about 1½ inches from the ground. It is very easily set up and taken down. Price, each.....$2.00

Chad's Lice Killer

Chad's Lice Killer has never yet been equaled. There is no case of roup it will not cure in two to seven days, in mild cases two days. In neglected cases it requires up to seven days.

It is the cheapest, because the best, safest, quickest and surest Lice, Mite and Flea Killer and Roup Cure ever offered. 1 quart.....75c



Empire Exhibition Coops

Recommended by poultry associations everywhere as the best on the market.

Style "A." Standard Three-Compartment Poultry Coop, with wire front, top and back. Solid veneer ends and partitions. Each.....$7.20

Style "B." Standard Three-Compartment Poultry Coop, with wire front and top. Solid three-ply veneered back, end and partitions. Each.....$8.00

Style "C." Standard Two-Compartment Poultry Coop, with wire front, top and back. Solid three-ply veneered end and partition or wire ends and partitions as desired. Each.....$6.00

Style "AA." One-Compartment Cage, wire front, top and back. Solid veneered ends. Each..$4.25

Style "H." Pet Exhibition Coops, with veneered or wired ends. Each.....$6.75

Poultry, Pigeon and Bantam Cups. Each.....15

Galvanized Tin Cups. Each.....30

Revolving Egg Cabinet

The most complete cabinet for handling eggs that should be turned daily. Each egg is incased in a cylinder made of heavy corrugated paper. These cylinders are adjustable to any size egg and therefore prevents breakage. Made in two sizes only.

150-egg size $4.25
288-egg size 6.00

EGG SHIPPING BOXES

These are made of tough, strong corrugated fibre board and present the safest and surest means for shipping eggs for hatching. It is the most practical and satisfactory box for this purpose.

Anderson's Egg Carriers. 15-egg size, per dozen $1.75
Anderson's Egg Carriers. 30-egg size, per dozen $2.50
Apocco Egg Carriers. 15-egg size, per dozen $1.50
Apocco Egg Carriers. 30-egg size, per dozen $2.25

Pasteboard One-Dozen Egg Carriers

This is the most practical egg carrier on the market. Packed 100 in bundle. . . . . Price, 1 dozen, 15c; 25 for 30c; 100 for $1.25

Greniers Caponizing Set

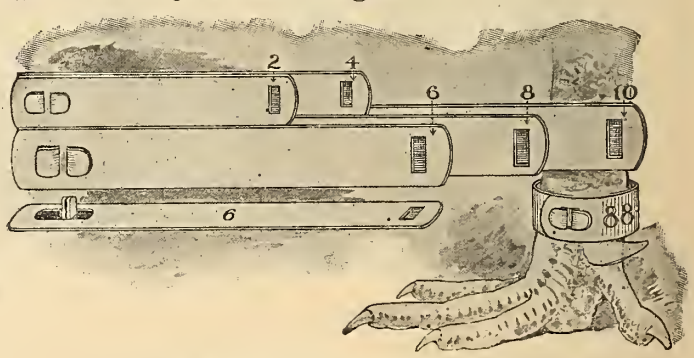
A good medium priced set for a new beginner. Set consists of knife, forceps, spring-spreader, hook, ring, probe and conula. Put up in a handsome wooden box. Full set of directions in each. Price, postpaid $3.00

Barteldes Improved Adjustable Leg Band

Just the one you are looking for. They never come off and stay where you put them. Held in place by double lock. You can make these fit any size bird. Price, plain, 12 for 15c; 24 for 25c; 50 for 50c, 100 for 90c.

Colored Celluloid

12 for 25c; 24 for 45c; 50 for 90c; 100 for $1.75.



Smith Sealed Leg Band

If you have valuable poultry you use sealed bands. By using sealed bands in sending your birds to a show you can positively identify them on their return to you. They are sealed with a sealer.

Price, 12, 30c; 25, 50c; 60 for $1.00
Plain Sealer 50
Lettered Jaw 75

Double Clinch Leg Bands

Fastened on with two clasps holding them securely in place. Made of aluminum. Price, 12 for 15c; 25 for 30c; 50 for . . . 50c

Pigeon Bands

Are made of very light aluminum. Price, 12 for 20c; 25 for 40c; 50 for 75c

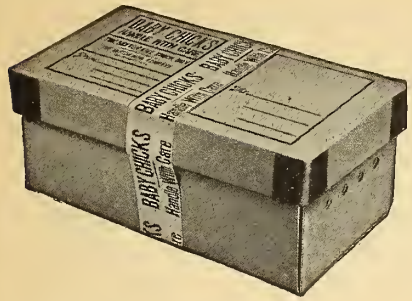
How to Order Leg Bands

No. 1 for Bantams. No. 2 for Mediterranean females. No. 3 for Mediterranean males and American females. No. 4 for large American females, small American males, small Asiatic females and hen turkeys. No. 5 for American males, Asiatic females and small Asiatic males. No. 6 for Asiatic males and male turkeys. Be sure and order by number.

Cyphers X-Ray Egg Tester

The Cyphers X-Ray Egg Tester is made of block tin, and consists of a central cylinder or lamp flue, 5½ inches high, with an outside diameter of 2¾ inches at the base and 2¾ inches at the top. It is designed for use on an ordinary hand lamp, and it fits over any style of burner with a diameter approximately that of the tester.

In a dark room the light will be found strong enough to penetrate the shell and illuminate the interior of the egg. Price, each, postpaid 25c

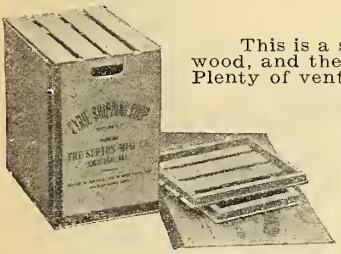


One Day-old Chick Shipping Boxes

All poultry keepers should use these shipping boxes for shipping day-old chicks. They are made of heavy fibre board, have ventilated sides. Chicks can be shipped safely in them for a long distance.

Sefton's Live Chick Boxes. 25-chick size. Per doz.....$2.00

Sefton's Live Chick Boxes. 50-chick size. Per doz..... 2.50



Eyrie Shipping Coop

This is a strong, light coop, made in three parts. The top and bottom are made of wood, and the body of one piece heavy corrugated paper, in the form of a square tube. Plenty of ventilation is supplied through the top. The large holes cut in the ends are used for grips and help to ventilate as well. Corrugated paper is very smooth and can do no damage to the bird's plumage.

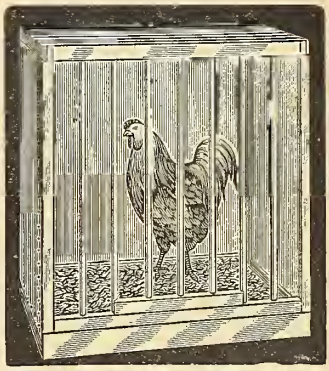
Style B. 12x18x22. Per dozen.....$6.50
Style C. 12x22x22. Per dozen..... 7.00
Style D. 20x22x22. Per dozen..... 9.00

Gem Folding Exhibition Coops

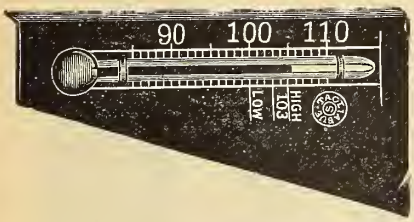
No. 1. For single birds or pairs; size 24x24x30 inches high. Shipping weight, express 12 lbs.; freight 15 lbs. This coop has the removable clean-out drawer. Back and sides covered with heavy white muslin. Front has half-inch hardwood rods.
Price.....$1.25

No. 2. For trios or pens; size 24x40x30 inches high. Shipping weight, express, 20 lbs.; freight, 25 lbs.
Price.....$2.25

No. 3. Two compartment but partition can be easily removed when wanted for pen. Size 24x48x30 inches high. Shipping weight, express, 35 lbs.; freight, 40 lbs. Ends, back and partition heavy white muslin.
Price.....$3.50



Gem Folding Exhibition Coop



INCUBATOR THERMOMETER

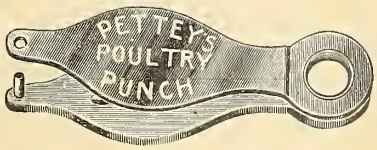
High-Grade Tested Thermometers

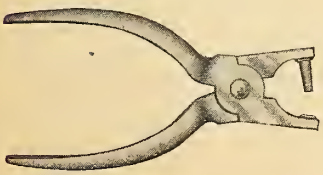
Cyphers Brooder Thermometers. Each.....50c

Barteldes "O. K." Incubator Thermometers. Each.....60c

Petty's Perfect Pocket Punch

Simple and easy to use. Makes a good, clear, clean cut. Always ready for use. Carry one in your vest pocket or on your watch chain. Price, each.....25c





Cyphers Perfect Marker

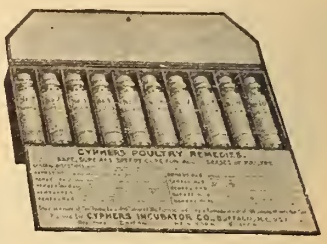
Absolutely the best poultry marker. There is no better or quicker way than by this marker. It makes a clean cut.
Price, each.....50c

Cyphers Practical Egg Tester

The Cyphers Practical Egg Tester is the standard tester, is in use on large duck and broiler farms, and is one that embodies the best ideas to date. The tester is 18 inches high, 10 inches wide and 10 inches deep. The top of galvanized iron. It is equipped with an extra strong reflector of superior quality. The lamp is made of the best block tin, the seams being machine-turned and carefully soldered and tested for leaks. The burner is of the latest pattern and construction. No chimney is furnished because of the liability of breakage in shipping. An ordinary glass chimney such as is used on a house lamp will fit the burner, and is exactly adapted to the purpose.

Price, complete (including box lamp and reflector) $1.25

Cyphers Poultry Medical Case



Remedy No. 1. For Catarrhal and Croupy Colds and Bronchitis, etc.
Remedy No. 2. For all sudden colds with watery discharges.
Remedy No. 3. For Chicken Pox, Bumble Foot and Catarrhal Colds with Croupy Cough.
Remedy No. 4. For Diarrhoea and Cholera.
Remedy No. 5. For Canker and Diphtheria Roup.
Remedy No. 6. For Indigestion, Liver Disease and Crop Bound.
Remedy No. 7. For Egg Bound, Eye Disease, and Promoting Action of Egg Organs.
Remedy No. 8. For Rheumatism and Cramps.
Remedy No. 9. For Worms and Intestinal Parasites.
Remedy No. 10. For Disorder of Egg Organs, causing Soft-Shelled Eggs.

Price for the entire set in neat box $2.00
Single vials in strong, specially prepared mailing tubes, each ..... .25

Cyphers Lice Powder

5-oz. Package (trial size) $0.10
Postpaid ..... .13
15-oz. Box ..... .25
Postpaid ..... .30
48-oz. Box (by express at customer's expense) ..... .50

Cyphers Lice Paint

1-qt. Cans, each $0.35
2-qt. Cans, each ..... .60
1-gal., each 1.00

TRADE **Napcreol** MARK

A concentrated preventive of disease. Guaranteed to do the work.

Napcreol is highly concentrated, a non-poisonous preparation, which is made ready for immediate use by simply mixing with the required amount of water. One gallon of Napcreol will make 100 gallons of disinfectant. It is invaluable for the disinfection of poultry houses, stables, dog kennels, toilets, sinks, cesspools or any other place where a good germ and odor destroyer is needed.

Quart cans $0.50
Half-gallon cans ..... .85
Gallon cans 1.50

Cyphers Roup Cure

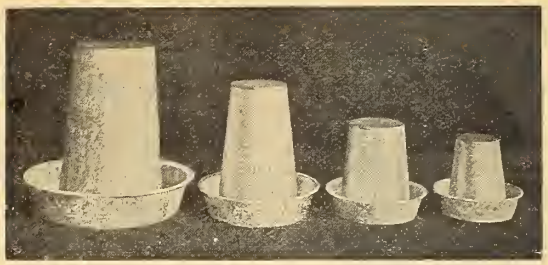
Cyphers Roup Cure is the best possible remedy for roup in all stages and forms. It is thoroughly reliable and dependable. Prevents and cures common colds, and for the cure of canker is without equal, and pigeon growers, as well as poultrymen, will find this remedy of especial value in cure of all forms of canker in poultry and pigeons.

Cyphers Roup Cure is used by simply dissolving the remedy in drinking water. The birds take their own medicine. Full directions for the use of this remedy will be found on the label of every package.

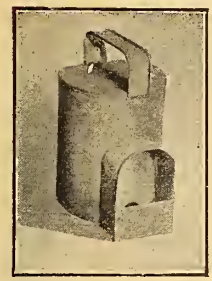
PRICES OF CYPHERS ROUP CURE

Medium sized package $0.50

Cyphers Galvanized Iron Drinking Fountains



Small size, 1 quart (for chicks). Each.....20c
Medium size, 2 quarts (for growing chicks or ducklings).....25c
Large size, 3½ quarts (for fowls). Each.....35c



Cyphers Wall Fountain

One-gal. size, each.....50c
Two-gal. size each.....75c

Cyphers Dry Food Hopper

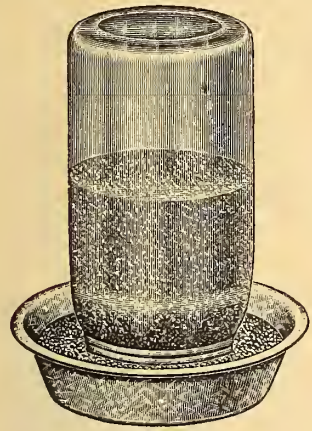
An Economical and Sanitary Self-Feeding Device for use with Dry Food.

Cyphers Dry Food Hopper is a practical labor and food-saving device for feeding dry grain food, either whole or ground. These hoppers are well made of heavy galvanized iron.
Cyphers Dry Food Hoppers, each.....75c

Knox Medicated Nest Eggs

A lice destroyer and nest egg combined. It is the fumes that kill the lice. Can be used a long time before they waste away. Price, each, 5c; per dozen.....50c

Disinfectant, sheep and hog dip and disinfectant for all live stock. There is no better and cheaper disinfectant than Zenoleum.....½-gal. can $1.00



O. K. FOUNT

Porcelain Nest Eggs

The "Opal" brand are the best made. They are clean-cut and uniform. Worth double the common one. With these there is no danger of getting stale eggs mixed with the fresh ones, nor of the hens acquiring the habit of egg eating. 3 for 10c; 6 for 15c; 12 for 30c. If by mail, 40c per dozen. We can supply in gross lots at special prices.

Barteldes' O. K. Chick Fount

Our O. K. Chick Fount is easy to clean. They ar[illegible] galvanized iron by the use of steel dies. Bottom of so it can be used as food hopper for chick food.
Price, each, 10c; 6 for.....

High-Test Incubator Oil

The simple reason so many people fail to have success with hatching incubator[illegible] the poor grade of oil used in operating the same. The poor or low grade of oil causes t[illegible] and soot and often to go out, and the result will be that the eggs are chilled and a poor l[illegible] outcome. Try some of our High Test Incubator Oil for one hatching and be convinced you want for your incubator and brooder.
One gal., 20c; 5-gal. can, can included.....

Sanitary Self-Feeding Boxes for Poultry

This box is manufactured from the best galvanized iron. It can be hung up against the wall at any height desired. It is a first-class article, is practically indestructible and will last a lifetime.

No. 1. Two quarts to a bin, 3 compartments. Price.....75c

Burlington Brood Coops

On account of this Brood Coop being round, the possibility of crowding chicks in corners, trampling or smothering them is entirely impossible. This Coop is entirely damp-proof and sanitary. It has one door with three combinations, which can be changed according to weather conditions. It is rat, weasel, mink and skunk proof, and is the very best Brood Coop on the market today. Price, each.....$2.00

CONKEY'S REMEDIES, ETC.

CONKEY'S LAYING TONIC. This is not a food, but a medicine, a little of which is to be mixed with the soft food or mash once daily. Tones up the egg-producing organs.

Prices, 1½ lbs. 25c; 3¼ lbs. 50c; 7 lbs. $1.00

CONKEY'S ROUP CURE. A guaranteed cure for Roup.

Put up in 25c and 50c packages

CONKEY'S GAPE REMEDY. A reliable remedy for this terrible enemy of little chicks.

Price 50c; 60c postpaid

CONKEY'S CHICKEN POX REMEDY. This is called by different names in various localities—SORE HEAD, WARTS and PIAN. They are all the same disgusting disease and this will cure it.

Price 50c; 55c postpaid

CONKEY'S FLY KNOCKER means peace to your stock and to you. It kills every fly it hits and keeps others from annoying stock. It will clear your stables.

Prices, 1 qt. 35c; 2 qts. 60c; 1 gal. $1.00; 5 gals. $4.00. Expressage extra.

Conkey's Sulphur Candles

Death to all vermin. Each, 10c; 3 for 25c. Postage 5c, if by mail.

CONKEY'S PERFECT SPRAYER, best applying Fly Knocker.

Each 60c

CONKEY'S LICE POWDER, exterminates body lice.

Prices, 5 oz. 10c; 15 oz. 25c; 48 oz. 50c; 100 oz. $1.00

Expressage extra.

CONKEY'S LIMBER NECK REMEDY. When fowls eat putrid flesh they are liable to have ptomaine poisoning, called Limber Neck. This remedy cures if given at the first start. It should be kept on hand.....Price 50c; 55c postpaid.

CONKEY'S SCALY LEG REMEDY. This cures Scaly Leg, and is excellent for dressing the feet and legs of show birds.

Price 50c; 55c postpaid

Conkey's Remedies—Continued

CONKEY'S RHEUMATIC REMEDY. Excellent cure for fowls or humanity . . . Price 50c; 55c postpaid

CONKEY'S HEALING SALVE. For man, beast or fowl. Antiseptic and healing. It is excellent. Price 25c and 50c; both sizes postpaid

CONKEY'S POULTRY LAXATIVE. Don't give Castor Oil, Aloes, etc. This is absolutely reliable. Price 25c postpaid

CONKEY'S POULTRY TONIC. General tonic for minor ailments that are not determined. Will often stop a disease at the start . . . . . Price 25c; 30c postpaid

CONKEY'S LICE LIQUID. Instantaneous death to mites.
1 qt. 35c; 2 qts. 60c; 1 gal. $1.00; 5 gals. $4.00. Expressage extra.

CONKEY'S HEAD LICE OINTMENT. Kills the gnat, head louse; it is harmless to chicks.
Prices 10c and 25c, both sizes postpaid

CONKEY'S BRONCHITIS REMEDY. Bronchitis is often confused with Roup. It is distinct and requires a different remedy.
Price 50c, postpaid

CONKEY'S CHOLERA REMEDY. For diseases of the digestive organs and all troubles leading to cholera . . . Prices 25c and 50c, postpaid

CONKEY'S NOX-I-CIDE. The greatest disinfectant and germ destroyer known.
Prices, 1 pt. 35c; 1 qt. 60c; ½ gal. 90c; 1 gal. $1.50; express extra.

Conkey's Stock Remedy

CONKEY'S HOOF REMEDY. Keeps the hoofs as nature intended. No more split hoof, Quarter Crack, Seedy Toe, Contracted Heel or Hard Dry Feet. Saves pads and bar shoes. Makes splendid poultices, etc.
Prices, 1 pt. 50c; 1 qt. 75c; ½ gal. $1.25; 1 gal. $2.00; 5 gal. $9.50

CONKEY'S HORSE TONIC. For horses rundown, off feed, bad goers. Nothing like it to put a horse in shape quickly. It astonishes horsemen and is a wonder.
Price $2.00

CONKEY'S HEAVE REMEDY. A common sense remedy that is surprising horsemen. Try it on your heavey horse and surprise yourself. It is wonderful Price $1.00

CONKEY'S HEALING POWDER. The wonderful Gall Remedy. The most scientific healer for Galls, Sore Back and Necks, Broken Knees, Proud Flesh, Running Sores, Open Wounds, Chafes, Cracked Heels, Sore and Tender Mouths, Indolent Ulcers, Canker, after Castration, Dehorning, etc. Great preventive for Hobble Chafes. Price 50c

CONKEY'S WORM REMEDY. Gets the last one of either harmless or hurtful worms . . . . . Price 50c

CONKEY'S POULTRY BOOK. Free to you. The brand new edition of the book has proved itself to be the greatest help to the poultrymen. Call and get your copy before it is gone.

Whartenby's Wonder Baby Chick Saver

We recommend this remedy very highly as a very valuable remedy and preventive for Bowel Trouble and White Diarrhoea in baby chicks.
Small size 50c; large size $1.00

Bird Seed

Hemp	Per lb. 10c; per 100 lbs. $8.00
Canary	Per lb. 15c; per 100 lbs. 8.00
Rape	Per lb. 13c; per 100 lbs. 8.00
Mixed Bird Seed in 1-lb. packages, each	10c
Mixed Bird Seed (in bulk)	Per lb. 10c; 10 lbs. 80c
Mocking Bird Food	40c
Cuttle Fish Bone	Per lb. 40c
Fish Food, per packet	10c

Flavoring Seeds

Caraway, per lb	50c
Coriander, per lb	50c
Poppy, per lb	40c
Celery, per lb	60c

Pratts ANIMAL and POULTRY REGULATORS and REMEDIES

Satisfaction Guaranteed or Money Refunded

Pratt's Poultry Regulator

This is the original Poultry Regulator of America, in use by the most successful poultry raisers everywhere.

It is a guaranteed egg-producer, and when regularly used, hens lay throughout the year.

It is a perfect digestive and tonic and will prevent chicken cholera, gapes, roup, rheumatism, expel worms, prevent leg weakness, egg eating. It also improves turkeys, geese, ducks, pigeons and guineas—insuring quick, healthy growth.

100-lb. bags, $9.00; 25-lb. pails at $2.50; 50c pkgs., weight 4 lbs.; $1.00 pkgs., weight 9 lbs.

Pratt's Poultry Disinfectant and Lice Killer

If poultry keepers would regularly spray the chicken houses, roosts, dropping boards and utensils with Pratt's Poultry Disinfectant, most all their troubles would vanish. This great Disinfectant is a real wonder-worker in the poultry yard. Put up in 1-qt., 35c, and 1-gallon cans, $1.00.

Pratt's Roup Remedy

(Tablets or Powder)

Is a scientific preparation GUARANTEED to prevent and cure roup, colds, canker, catarrh and diphtheria.

In severe cases individual treatment with the tablets is the only sure method. For mild cases and as a preventive crush the tablets or use the powdered form, and mix in the drinking water. Sold in 25c, 50c and $1.00 boxes.

Pratt's Sore Head (Chicken Pox) Remedy

From costly experience poultrymen have learned to dread the disgusting disease known as Sore Head or Chicken Pox. They know it will practically ruin the flock unless quickly checked. We guarantee a sure, rapid cure if Pratt's Sore Head (Chicken Pox) Remedy is used. 25c and 50c a box.

Pratt's Cholera Remedy . . . . . 25c—50c
Pratt's Gape Remedy . . . . . 25c—50c
Pratt's Bronchitis Remedy . . . . . 25c—50c
Pratt's Condition Tablets . . . . . 25c—50c

Pratt's Baby Chick Food

This is one of the greatest Money Savers and greatest Chick Savers ever placed on the market. Every man, woman or child who raises little chicks, turkeys, ducks and geese should try at least one package of Pratt's Baby Chick Food. It is a scientific food ration to be fed for the first three weeks. If you want **real success** with your hatches, if you want to save all the baby chicks, if you want them to grow fast—get Pratt's Baby Chick Food on our recommendation for your first trial, after that you will never be without it. Put up in 1-lb., 3-lb., 6½-lb. packages, also 14-lb., 25-lb., 50-lb. and 100-lb. bags.

Pratt's Lice Killer

(Powdered Form)

It quickly and thoroughly kills all lice on little chicks, big chicks, setting hens, and incubator chicks. It rids horses, cattle, hogs, dogs and cats of lice, and destroys ticks on sheep. It destroys insects and bugs on vines, plants and flowers. A valuable deodorizer and disinfectant, for all poultry houses, barns, stables, and dwellings. Drives out moths from closets, furniture, carpets and clothing. 25c and 50c.

Pratt's White Diarrhoea Remedy

This remedy will positively save many dollars' worth of little chicks to poultry raisers. It has taken us nearly three years to find a remedy for White Diarrhoea and we are so sure that we have it in this article that we authorize our dealers throught the world to refund the purchase price in case it fails. Extra large box, 50c; small size, 25c.

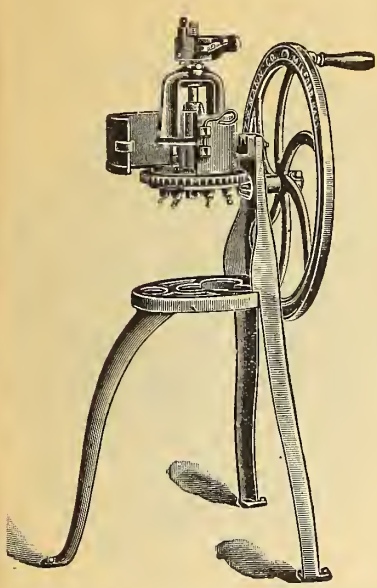
Pratt's Head Lice Ointment

causes immediate death to the Head Lice which kill so many thousands of little chicks yearly. Head lice weaken the chick's health—and a chick in weakened condition easily contracts many other diseases. Pratt's Head Lice Ointment prevents this. It is non-poisonous. Sold in 25c tins.

Pratt's Scaly Leg Remedy

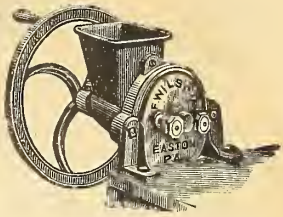
You can quickly root out the little insect which digs the scales of the feet and legs of your chickens by the use of Pratt's Scaly Leg Remedy. This disease not only impairs the vitality of your birds, but also ruins their appearance. Our remedy will keep the legs clean and healthy. 25c and 50c a box.

A Guaranteed Pratt Remedy for Practically Every Poultry Ailment.



MANN'S BONE CUTTER

Wilson's Grinding Mill



This mill will grind dry bones, shells, all kinds of gravel, stones, old crockery, etc. It is also a splendid machine for grinding stale bread, roots, barks, spices, etc. Can be bolted or screwed to bench beam. Weight 36 pounds.

Price $4.00

Mann's New Green-Bone Cutter

This Bone Cutter is made of very hard tool steel. The power is applied by having the turning handle at the outer edge of rim of a large fly wheel, thus securing a great force with the smallest possible energy. Mann's Bone Cutters are used by all successful poultry raisers and are considered by them to be the best on the market.

Price No. 5–B (with balance wheel), each ..... $ 8.00
Price No. 5-M (with balance wheel and iron stand), each..... 10.00

Banner Root Cutter
No. 7
For Poultrymen

It cuts fast, fine, and is easy running. Leaves the feed in fine, ribbon-like strips that makes choking impossible. Fowls, large or small, can safely eat the food. The knives are adjustable, and made of the very best steel.

An iron gate in the bottom of the hopper lets dirt and gravel escape before reaching the knives. In this cutter we offer the poultrymen a low-priced, high-grade, nicely finished and mechanically constructed machine, and feel that anyone who desires to feed roots and vegetables to their fowls can well afford to own one. Two to five minutes will cut enough feed for a large flock of fowls. Weight 60 lbs.

Price No. 7, $4.00; extra knives, either kind (delivered), 50c.

Small Garden Implements

LANG'S HAND WEEDER

One of the best of this class, allowing use of the hand while working.....Each, postpaid 25c

HAZELTINE WEEDER

One of the best, solid steel, good size and durable; in very general use over the country.
Each 25c; postpaid, 30c

EXCELSIOR WEEDER

A very useful tool for weeding seed beds, stirring the ground, etc. This is one of the most useful tools in working the garden. No one should be without it.
Each 25c; postpaid, 30c

COMBINATION WEEDER

Combining as it does both the rake and hoe, it is the most serviceable, desirable and perfect weeder on the market. Allows weeding close to the plants, and is offered at about the same price as the other weeders.
Each 30c; postpaid 35c

HUMPHREY'S CONCAVE POTATO KNIFE

With the Concave Potato Knife, seed potatoes can be cut better, and $2 to $3 an acre saved in seed and time by its use. Our illustration shows how the eyes are cut with the knife, making a compact piece with the center surrounded by the greatest amount of tuber. If the same eye has been cut by a straight knife, the piece would be thin, flat and broad and liable to dry up and decay before germination..... Price, postpaid 30c

STEEL TROWEL

It is one solid piece of steel and will outwear several of the ordinary sort. It is an article for which we have had many inquiries, filling a long felt want.
Price 30c; postpaid 40c

DEMING SPRAY PUMPS

The Captain Barrel Sprayer

The "Captain" is in the front rank of all sprayers of this kind. It is the medium price outfit for the every-day farmer, fruit grower and gardener.

The pump is made in one size with 1¼-inch Brass Tube Cylinder, has Brass Ball valves and Valve Seats, and Brass Plunger with improved packing. The air chamber is ample in capacity, and is made of 2¼-inch boiler tubing. The discharge connection is fitted for ¼-inch hose.

The "Captain" Sprayer has an improved adjustable clamp for attaching rigidly to the inside of a barrel. The agitator is simple in construction and very efficient. No pains have been spared to make it the best barrel sprayer for the price.

Shipping weight, pump only, crated, about 40 pounds.

"Special Outfit" Captain Sprayer Pump, with 6 feet of ½-inch hose and couplings with Demorel nozzle.....$9.00

Outfit "A," Captain Sprayer, with 12½-foot section of ½-inch hose, coupling pole holder and Demorel nozzle.....$10.50

The "Prize" Bucket Sprayer

Every part of the "Prize" pump is brass, with the exception of the handle and foot rests, which are of malleable iron. It is regularly provided with an "Acme" nozzle, but the "Bordeaux," our premium nozzle, will be furnished at a slightly additional cost. The foot rest measures 12 inches in height. Put up in strawboard box. When crated ready for shipment the outfit will weigh about ten pounds.

PRICE

Fig. 669, Prize Bucket Pump as illustrated..$3.25. With "Bordeaux" nozzle instead of Acme.....$3.75

"PRIZE" SPRAYER

The Simplex Barrel Sprayer

Fig. 550 is a very easy working pump, which may be used on side or end of the barrel. A wooden sub-base is furnished and a 10x10 inch opening in the head of the barrel will admit the suction pipe, agitator, etc.

A large air chamber insures a constant stream while the mechanical agitator keeps the liquid thoroughly stirred up. All working parts of the pump coming in contact with the liquid are brass, including brass valves. Special indestructible packing is used on the plunger. The outfit has a 2¼-cylinder and a 4½-inch stroke. The pump is 56 inches high and regularly fitted with discharge Y, Fig. 364. The three-way stop-cock, Fig. 366, will be furnished if desired, at a slight additional cost as listed below.

Shipping weight, pump only crated, about 60 pounds. Outfit A pump as above with 12½-foot section of ½-inch hose. Demorel nozzle and pole holders.....$9.00

"SIMPLEX" PUMP

The "Success" Bucket Sprayer

A very effective pump for general use in the garden, green house and small orchard. The brass air chamber compels a constant stream, the operator being enabled to pause between each stroke, as rapid pumping is not necessary. All parts coming in contact with the liquid are of brass.

The "Success" Spray Pump is excellent for whitewashing and disinfecting stables and poultry houses; also for washing windows and buggies, for putting out fires, and for various other services, in addition to the regular work of spraying.

It has a special adjustable foot rest which clamps bucket and pump firmly together so that the entire outfit may be carried in one hand.

Four feet of ¾-inch hose and our "Bordeaux" nozzle are furnished. Packed in a neat strawboard box. Shipping weight crated, about 12 pounds.

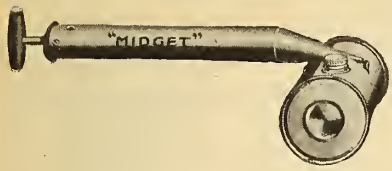
PRICE

Fig. 689. Success Pump.....$4.50

THE "SUCCESS"

Barteldes' O. K. Sprayer

This is the very best improved Sprayer on the market. It has the advantage over other makes, that when the Sprayer is laid down the liquid will not leak out, because the nozzle is always pointing in an upward position. Price, each.....50c



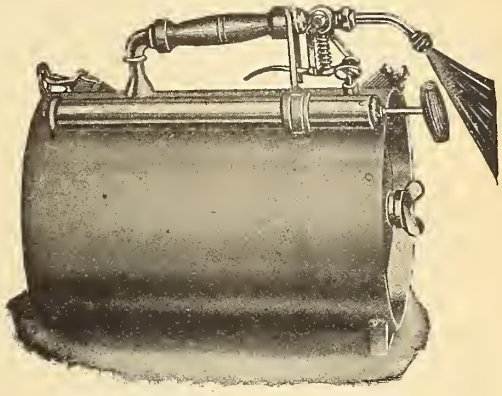
Barteldes' "O. K." Midget Spray Pump

Made same as above, only smaller. A very handy small sprayer to use for spraying indoors. Price, each.....35c

The Fountain Sprayer

One of the best air compressed sprayers on the market. The tank has a capacity of 3 gallons and is tested to an air pressure of 50 pounds to the square inch which obviates any danger of bursting. The machine is carried in one hand like a satchel and the spray can be started or stopped by a thumb lever operated by the same hand that carries the sprayer.

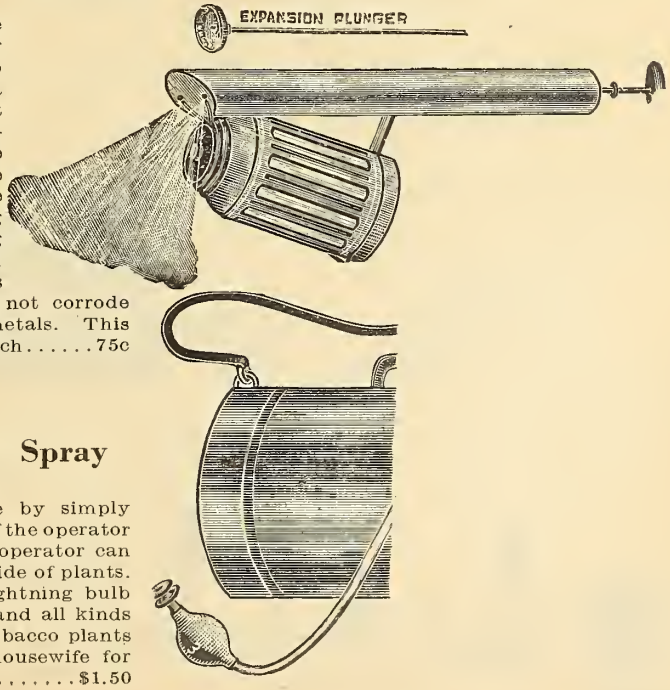
Price Galvanized Tank $4.75



THE FOUNTAIN SPRAYER

No. 20 Encased Glass Double-Tube "Lightning" Insect Exterminator

This sprayer is the largest seller on the market. It is made with a beveled air chamber, which enables the operator to spray in any direction desired, and has a glass reservoir detachable, encased so that the operator at all times can see the ingredients mixing and just how they are working. The glass reservoir is made like a Mason fruit jar, and any such will fit the sprayer. Being oblong it gives a churning motion, while the sprayer is in use, mixing the ingredients, which cannot be done with any other sprayer and will not allow Paris Green to settle. The glass sprayer will not corrode or rust out, as in the case with all other metals. This will be appreciated at a glance. Price, each.....75c



No. 16 "Lightning" Bulb Spray

This sprayer is very easy to operate by simply squeezing the rubber bulb, and at the will of the operator a large or small spray is obtained. The operator can spray up or down as well as on the under side of plants. The nozzles are made of brass. The Lightning bulb sprayer is adapted for spraying potatoes and all kinds of vegetable matter. Also for spraying tobacco plants and flowers. It is a favorite with the housewife for spraying plants in the house. Price.....$1.50

"Kant-Klog" Rochester Sprayer

A slight pressure of the thumb starts the spray. Remove it and the spray stops instantly. Special attention is called to the new "Kant-Klog," the only nozzle that can be successfully cleaned without stopping the spray or removing the nozzle from the tree. The first and only nozzle ever made which gives both flat round sprays, or solid sprays.

DESCRIPTION. The sprayer body is made of galvanized steel. Top and bottom dome-shaped, joined to body under heavy pressure, making a complete double seam. The body is supported and further strengthened by a heavy steel band around the bottom. When completed this body is tested under double pressure formerly used, so enabling you to get a finer spray for the greater length of time than with any sprayer ever made.

The air pump is made of heavy brass, two inches in diameter. Hose couplings are solid brass, standard cut threads, ends heavily ribbed to prevent hose slipping off. Hose is high-grade, three-ply, supported by a coiled spring, bell-shaped at outer edge to prevent breaking. A safety valve is provided to allow air escape after the necessary pressure has been obtained.

The "Kant-Klog" Nozzle furnished with this machine without extra charge, makes two bell sprays of different size, volume and fineness; one flat spray and two sizes of straight streams. The new spring "Hose Cock" is also furnished with style G without extra cost. Sprayer holds between four and five gallons and can be carried either by carrier strap or air pump handle.

Price $4.00

"KANT-KLOG," STYLE G.

DIRECTIONS. A few seconds working of the air pump thoroughly agitates the solution and charges the sprayer with compressed air. This being a very powerful and elastic force, will, as soon as the thumb presses the "Shutoff" force out the liquid in the form of either a spray or a solid continuous stream as desired.

After sprayer is charged you need not stop for anything, just walk along from one row to another, the machine will supply sufficient spray to enable you to do the work as fast as you can walk. The great saving in time, labor and solution, even on small sprayings will more than pay for this splendid machine the first month it is used, to say nothing of the big increase in crops as a result of spraying properly.

All Brass "Kant-Klog" Rochester Sprayer

The cylinder, plunger, valves and valve seats being brass, corrosion and rust are eliminated.
Price, complete with hose and nozzle.....$7.50

The Deming Spraying Nozzle

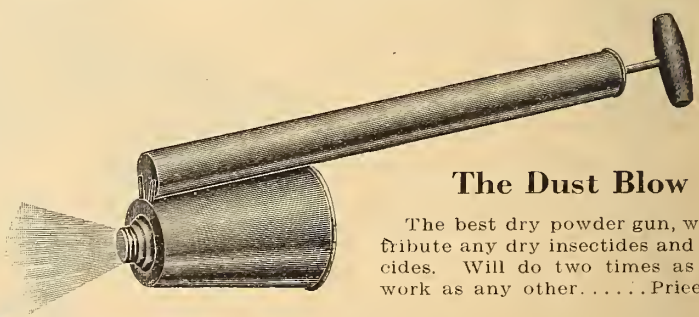
Fig. 960 "Acme," will throw a solid stream or a fine spray. Furnished on "Prize" bucket sprayers.
Price 50c

Fig. 965 "Bordeaux," furnished with most of our sprayers. Throws a solid stream or fine mist, or may be shut off entirely. Excellent for general spraying; also for whitewashing, disinfecting, etc. Easily disgorged. Price.....$1.00

The Ole Olson Rake

Made of extra good quality hickory wood. Pegs are of extra length, therefore, well adapted for raking Bermuda Grass lawns

Price 50c



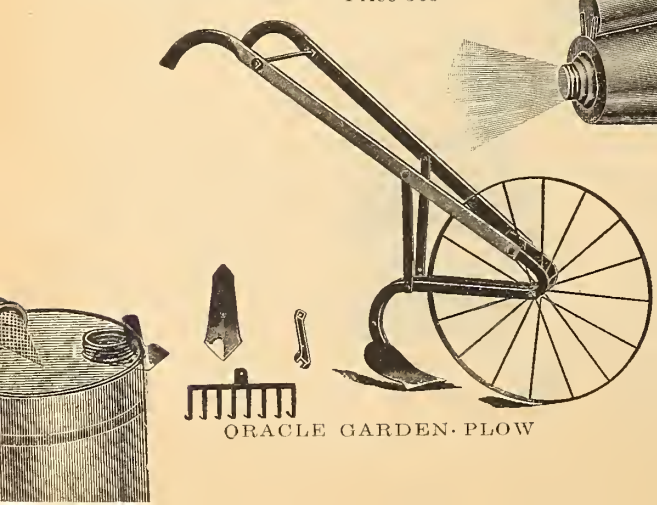
The Dust Blow

The best dry powder gun, will distribute any dry insectides and fungicides. Will do two times as much work as any other.....Price $1.00

The Oracle Garden Plow

This tool is adapted for work that required an extra high wheel. The wheel is 24 inches high; the frame is made of steel, the working tools consist of three sweeps, 8, 6 and 4 inches wide. This tool is light in weight but very strongly built.

Price $2.25


ORACLE GARDEN-PLOW

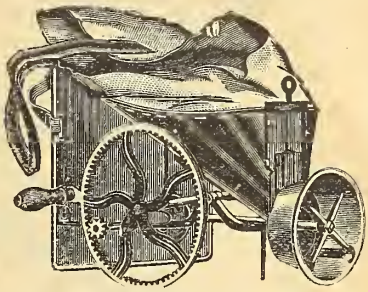
MISCELLANEOUS IMPLEMENTS

The Clipper Grain and Seed Cleaner

We are using this mill in our warehouses. The improved No. 1 Hand Grain and Seed Mill is the most complete grain and seed cleaner ever invented. It cleans wheat, corn, oats, rye, barley, buckwheat, beans, clover, Timothy, flax, millet, mustard, cabbage, turnip, radish, and all other kinds of grain and seed grown in the United States with once through, without waste, and leaves no tailing over to clean. It will separate plantain from the medium clover seed, as well as any mill we have ever used in our plant. It has zinc sieves, vertical blast, and is the most practical farm mill. The capacity of this mill is large enough for a farmer, and when it comes to cleaning all kinds of grain seeds this little dandy always takes a front seat. Seven out of eight sieves used in this mill are made of perforated zinc, the best sieve in the world, and the fact is it is the best farm mill on the face of the earth.

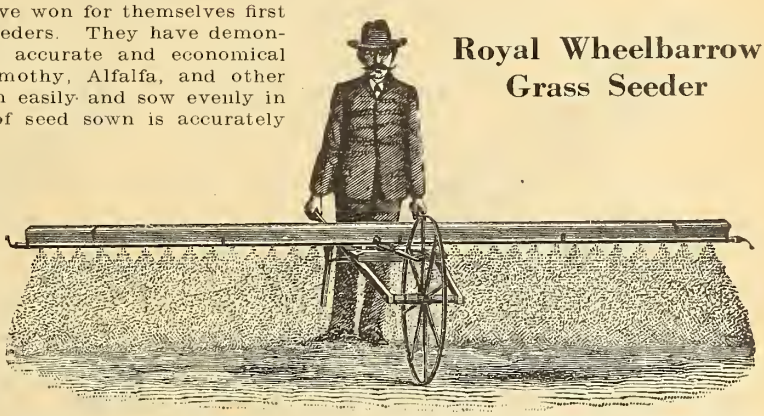
Weight 150 lbs.....No. 1B $25.00
No. 2.....No. 2B 35.00

Cahoon's Patent Hand Seed Sower



For sowing alfalfa, wheat, oats, barley, rye, buckwheat, grass seeds, etc. The best machine of the kind in the market. The grain is held in a tight sheet iron hopper, surrounded by a bag that will hold a bushel of seed. This is suspended by a strap from the operator's neck and held in position by a strap around the waist. The seed is thrown from eight to twenty feet on each side of the operator, the heaviest seed being, of course, thrown the greatest distance. Price $3.50

Royal Wheelbarrow Grass Seeder



Wheelbarrow Grass Seeders have won for themselves first place among all kinds of grass seeders. They have demonstrated that they are the most accurate and economical machines for sowing Clover, Timothy, Alfalfa, and other small seeds broadcast. They run easily and sow evenly in windy weather. The quantity of seed sown is accurately governed by the wheel, which moves correspondingly slow or fast as the machine is run over the ground. This new seeder is constructed on up-to-date principles. It has a strong steel wheel thirty-two inches in diameter with an inch-and-a-quarter by one-quarter-inch tire, is operated by a device that engages the wheel close to the hub, having a working correspondingly easy. It is instantly thrown out of gear, and amount of seed sown is quickly governed by changing the pin in the index plate as thereon indicated. This seeder does not injure or bunch the seed, but distributes it evenly the full length of the hopper. We realize that we have competition in other kinds of seeders and wish to call your attention to this one point:

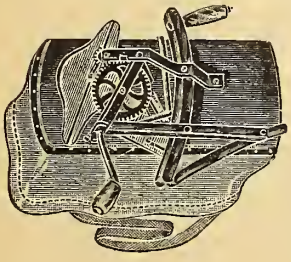
Please note that the wheelbarrow seeders offered for less money have **wooden wheels.** You know how long these wooden wheels will last in comparison with the steel wheels of the Royal.

No. 11. Single Hopper Seeder. Sows all small seeds like clover, timothy, and alfalfa with hopper 14 feet long. Price, each.....$8.00

No. 11. Single Hopper, 16 feet long. Price, each..... 8.50

No. 12. Double Hopper Seeder. Sows all small seed like clover, timothy, alfalfa and also chaffy seeds like red top, orchard grass and clean blue grass, with hopper 14 feet long.

Weight of seeder complete, 40 to 50 pounds. Price, each.....$9.00



The Little Giant Seeder No. 3 Improved

The improvement consists of a two-flanged distributing wheel, constructed of one piece of tin being a pressed wheel, no solder on any part of it. We guarantee the two-flanged wheel to distribute all kinds of grain and seeds evenly as any four and five-flanged wheel seeder on the market. It is the lightest running seeder made from the fact of having but two flanges catching one-half less wind than a four-flanged wheel in operation. The wheel, being smaller in size, is far better protected against breakage while in transportation, or in use by the consumer. The Little Giant Improved is the only two-flanged wheel made in the United States. Price.....$1.50

Barteldes' Farm Guide

This book contains 186 pages of the most useful information to the farmer. The articles are written by experts and cover such topics as "How to Measure Timber," "Silos," "Sweet Clover," "Raising Geese," "Millets," "Milo Raising," "Rhubarb," "Soy Beans," "Potato Culture," and many others.

We give this valuable book free. See under noveltics.

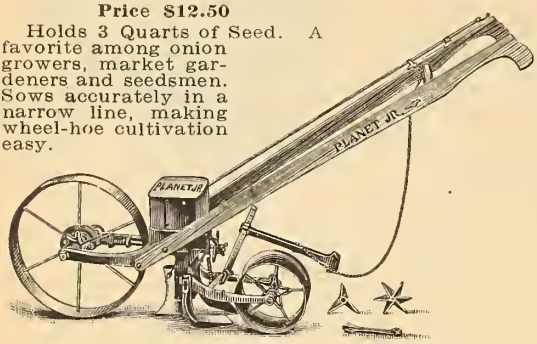
FARM TOOLS PLANET JR. GARDEN TOOLS

You can't afford to cultivate in the old slow back-breaking way. The Planet Jr. way takes the drudgery out of labor, and produces bigger, better crops. Planet Jrs. are the greatest time-savers ever invented for farm or garden; and the most economical cultivating tools you can use.

No. 3 Planet Jr. Hill and Drill Seeder

Price $12.50

Holds 3 Quarts of Seed. A favorite among onion growers, market gardeners and seedsmen. Sows accurately in a narrow line, making wheel-hoe cultivation easy.



No. 4 Planet Jr. Combined Hill and Drill Seeder, Wheel Hoe, Cultivator and Plow

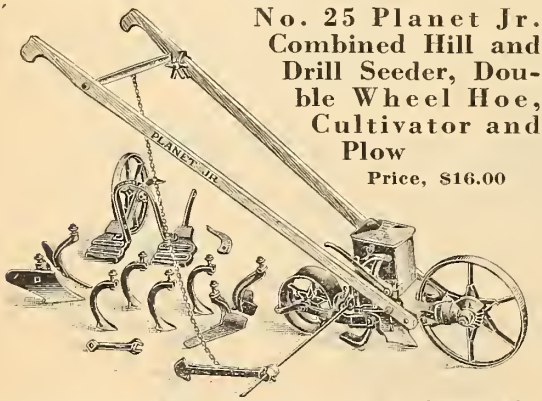
Price, Complete, $13.25

No. 4D, Hill and Drill Seeder, less the cultivating attachments **$10.75.**

This accurate, durable and easy-running tool sows all garden seeds from the smallest up to peas and beans in hills, 4, 6, 8, 12 or 24 inches apart, or in drills at the proper thickness and depth; rolling down and marking out the next row all at one passage. No time is lost. No seed is wasted. By removing the seeder parts you have a first-class single wheel hoe with a set of specially hardened steel tools. Makes the care of a garden a pleasure as well as very profitable. Can be used successfully by men, women or growing boys.

No. 25 Planet Jr. Combined Hill and Drill Seeder, Double Wheel Hoe, Cultivator and Plow

Price, $16.00



This combination is intended for gardeners who have a large enough acreage in crops for a double wheel hoe to be used to good advantage, and yet prefer not to buy seeders and wheel hoes separately.

As a seeder it is practically the same as the **Planet Jr. No. 4,** and as a wheel hoe has the same steel frames and cultivating attachments as the **Planet Jr. No. 12 Double Wheel Hoe.**

No. 31 Planet Jr. Combined Drill Seeder and Single Wheel Hoe

Price, Complete, $8.50

Packed weight, 30 lbs.

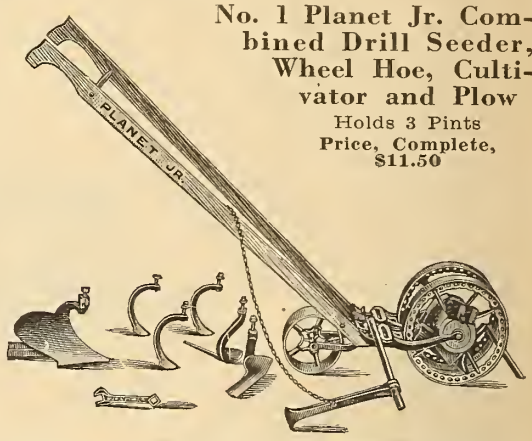
No. 32, as a Drill Seeder Only, $6.00

This new tool is of great value to gardeners who have never felt able to own either a seed drill or a hoe. It will sow even a small packet of garden seed with great precision. Quickly changed to a splendid wheel hoe. A special machine for the small gardener.

No. 1 Planet Jr. Combined Drill Seeder, Wheel Hoe, Cultivator and Plow

Holds 3 Pints

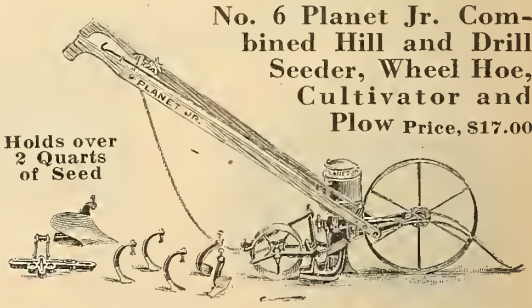
Price, Complete, $11.50



The older Planet Jr. No. 1 Seeder has given complete satisfaction over 30 years, are used the world over, and except our hill and drill seeders are the most perfect known.

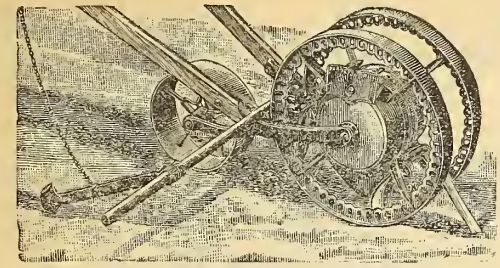
No. 6 Planet Jr. Combined Hill and Drill Seeder, Wheel Hoe, Cultivator and Plow **Price, $17.00**

Holds over 2 Quarts of Seed



WHAT IT WILL DO. It drops all garden seeds in hills and sows in drills, with the greatest regularity, in a narrow line, to any exact depth required, covers rolls down and marks the next row, all at one passage. As a wheel hoe, it hoes, cultivates and plows all garden crops, completing a row at every passage, up to 16 inches in width.

Planet Jr. tools are the product of a practical farmer's inventive genius and manufacturing experience of half a century. Last a lifetime. Fully guaranteed.



No. 2 Planet Jr. Drill Seeder

Price, $9.00

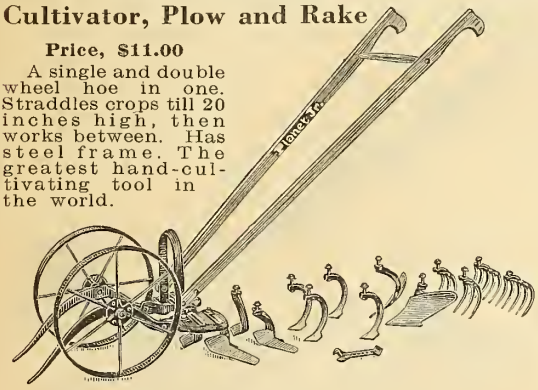
Holds three quarts. Weight, packed, 38 pounds.

The No. 2 shown is one of the first really good seed drills ever made in the United States. It has given excellent satisfaction for thirty years and continues today, too. It is similar to No. 1 Planet Jr. Combined Drill, but larger, holding twice as much seed and having higher wheels and larger roller.

No. 11 Planet Jr. Double Wheel Hoe, Cultivator, Plow and Rake

Price, $11.00

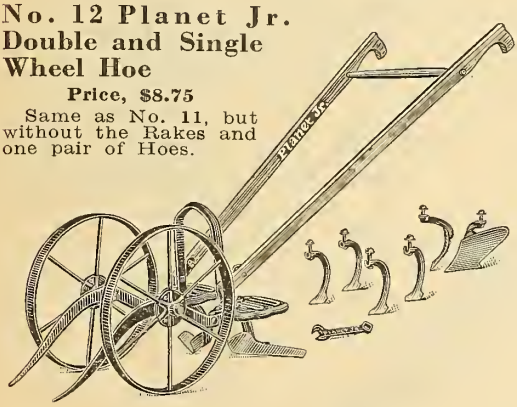
A single and double wheel hoe in one. Straddles crops till 20 inches high, then works between. Has steel frame. The greatest hand-cultivating tool in the world.



No. 12 Planet Jr. Double and Single Wheel Hoe

Price, $8.75

Same as No. 11, but without the Rakes and one pair of Hoes.

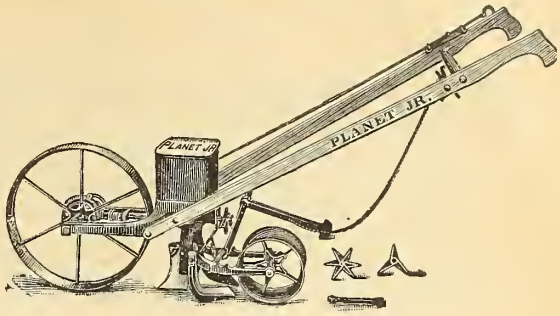


This tool is identical with No. 11 Double Wheel Hoe, except that it has one pair plows, one pair hoes, four cultivator teeth and a pair of leaf-lifters only, and is sold at a correspondingly less price. The attachments sold with No. 12 are what gardeners use most, and the others can be added as wanted.

No. 13 Planet Jr. Double Wheel Hoe

Price, $6.00

This tool is the No. 12, with 6-inch hoes only, these being the tools that are most used. Any of the attachments shown with No. 11 may be added at any time.



No. 5 Planet Jr. Hill and Drill Seeder

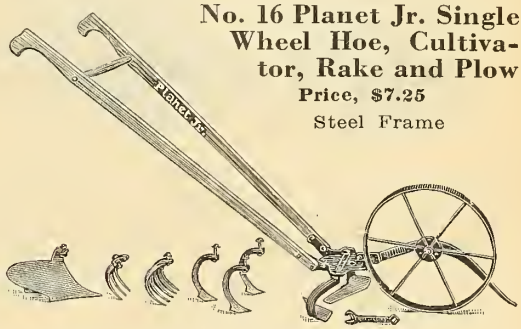
16½-inch steel wheel. Sheet steel hopper holding 5 quarts. Weight, packed, 51 pounds.

Special size for market gardeners and farmers, for sugar beet and onion set growers, etc., etc. It is the great hand power planter for both hills and drills, where the amount of sowing to be done is large. It runs light and plants equally well with a full hopper or with an ounce of seed, and up hill or down.....**Price, $15.50**

No. 16 Planet Jr. Single Wheel Hoe, Cultivator, Rake and Plow

Price, $7.25

Steel Frame



These Single Wheel Hoes are the highest type of their class. They have a great variety of attachments which adapt them to a large variety of work, and there is scarcely any garden cultivation they will not do.

Nos. 16, 17, 17½ and 18 have the same steel wheels, frames and handles, but the attachments sold with each vary.

The handles are adjustable in height. The frame is steel, convenient and strong with quick change device by which to exchange the tools without removing the nuts.

All attachments are of a special pattern, carefully tested by practical men; no others ever offered compare with them.

No. 17 Planet Jr. Single Wheel Hoe

Price, $6.25

Steel Frame and Wheel

You can do more and better hoeing with it in one day than you can do in three days with a hand hoe. The No. 17 has a pair of 6-inch hoes, a plow and a set of cultivator teeth, an outfit sufficient for most garden work.

No. 17½ Planet Jr. Single Wheel Hoe

Price, $5.50. Weight, 21 lbs.

This tool is identical with No. 16, except in equipment. The pair of 6-inch hoes, three cultivator teeth and leaf lifter which go with it, are all the finest of their kind.

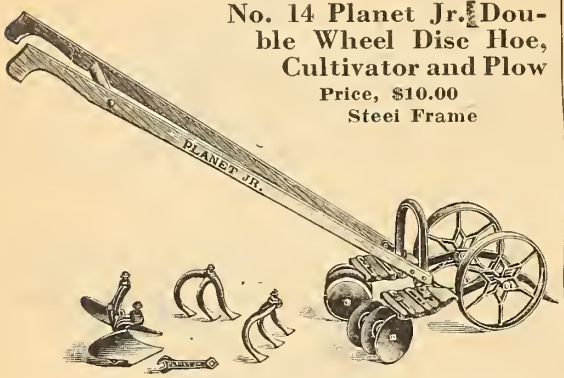
No. 18 Planet Jr. Single Wheel Hoe

Price, $4.50. Weight, 19 lbs.

This has one pair of 6-inch hoes only—the tools that are most constantly useful throughout the season. Other attachments can be added as needed.

No. 14 Planet Jr. Double Wheel Disc Hoe, Cultivator and Plow

Price, $10.00
Steel Frame



This new tool will give excellent satisfaction; is especially pleasing to all who work peat lands. There are three oil tempered discs on each side. The frame is **steel.**

The set of prong cultivator teeth are constructed on entirely new lines, and will be found invaluable in general cultivation.

The plows are the regular Planet Jr. model and are continually valuable for furrowing, covering and plowing.

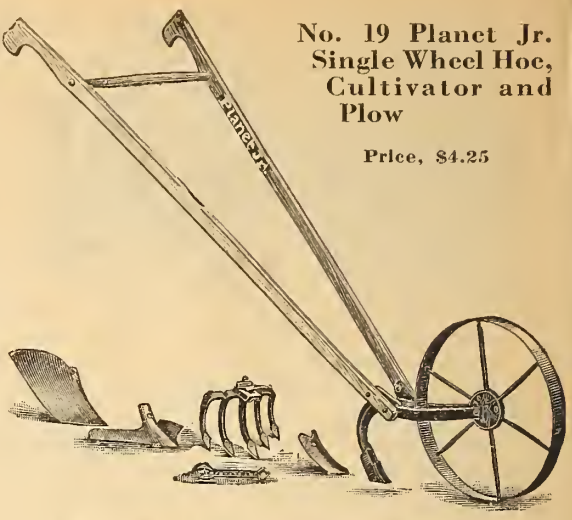
No. 13½ Planet Jr. Double Wheel Disc Hoe

Weight, 33 lbs.

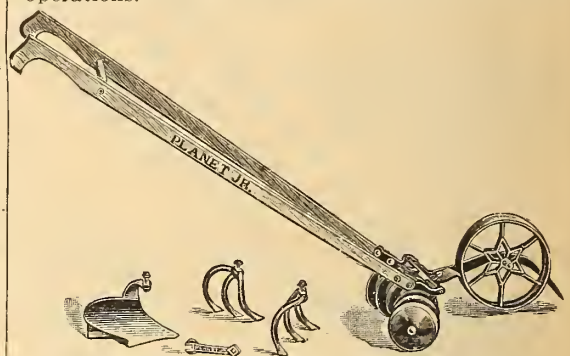
Same as No. 14, but has one pair of discs and one pair of leaf lifters only..... Price complete $7.50

No. 19 Planet Jr. Single Wheel Hoe, Cultivator and Plow

Price, $4.25



No. 19. THIS ATTRACTIVE IMPLEMENT is especially designed for the farmer's garden work, though it offers to everyone with either field or garden a cheap and effective tool for wheel-hoe operations.



No. 38 Planet Jr. Single Wheel Disc Hoe, Cultivator and Plow

Price, Complete as in cut, $8.50
Packed, weight, 29 pounds

One set discs, one pair three-pronged cultivator teeth, one plow, one leaf lifter.

No. 33 Planet Jr. Single Wheel Hoe

(The No. 31 without Seeder)
Price, $3.75

This combination will delight the suburbanite, the growing boy, women, younger or older, who will find it a light running wheel hoe that will save them hard work and help much to supply the table with fine vegetables.

No. 36 Planet Jr. Single Wheel Hoe, Cultivator and Plow

Price Complete $7.50

Weight, packed, 33 lbs.

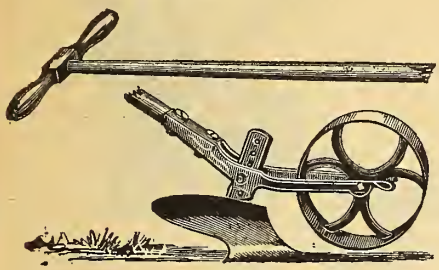
This machine is considered by many as the very best Single Wheel Hoe made.

No. 36 PLANET JR. SINGLE WHEEL HOE, ETC.

Fire-Fly Garden Plow

Price, $2.75

Packed weight, 14 lbs.



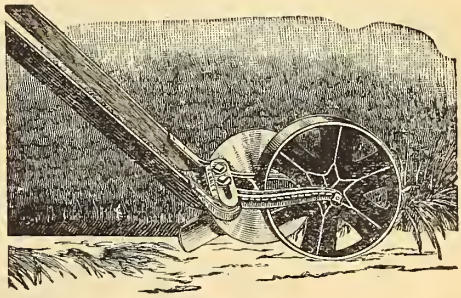
THIS TOOL IS EXCEEDINGLY USEFUL to owners of small gardens. **It will throw** a furrow four to six inches wide and one to three inches deep, and deeper by going twice. Furrows for manure or seeds can be opened and covered. **In cultivating,** plow away, weed the row and plow back again. This tool will enable a busy man to do in his spare minutes nearly all the work of a family garden. **Chicken raisers** find it of great advantage in **plowing up their scratching yards.**

Planet Jr. Grass Edger

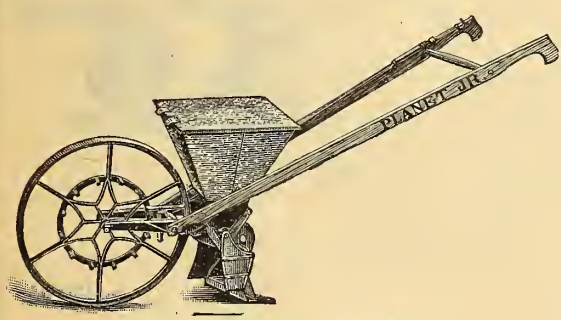
Price, $7.00

Packed weight, 26 lbs.

EXTREME NEATNESS is the great secret of attractiveness in grounds surrounding a house. The Planet Jr. Grass Edger assists wonderfully in producing this effect. It will edge either straight or curved work, paths, drives, open borders or flower beds, doing the work well and rapidly.



STRAWBERRY GROWERS find the grass edger disc attachment a rapid and excellent tool for cutting off surplus runners. Goes on all hand tools.....**Price $1.50**



No. 20 FERTILIZER DRILL

No. 20 Fertilizer Drill

The machine meets the demand for a large drill for fertilizers only. This tool is simple, strong, reliable and durable, and complete with plow, coverer, roller and marker. The driving wheel measures 20 inches, the hopper holds one-half bushel and the feed is through a rear discharge mouth which is regulated by a feed rod and index at the top of the handle.

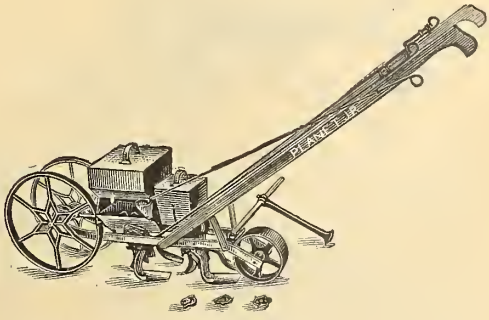
It sows fertilizers evenly from 100 to 1,000 lbs. to the acre. It will also sow beans and peas in any quantity and with the greatest regularity.

Packed weight 97 lbs....**Price, Compiete, $20.00**

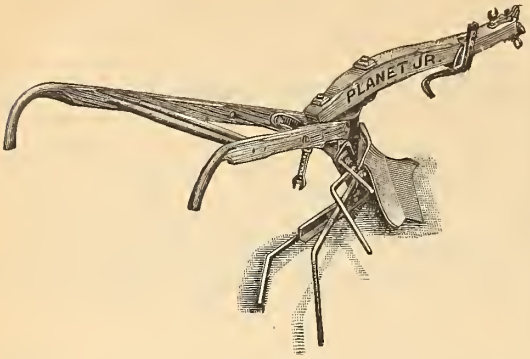
No. 21 Combined Hill and Drill Seeder and Fertilizer Drill

This machine meets the pressing demand for a drill to sow seed and fertilizers at the same time, or separately if desired. It sows all garden seeds in hills, 4, 6, 8, 12 or 24 inches apart or in drills, and also fertilizers, placing it above or below the seed as desired. The quantity is regulated by our patent feed rod and index at top of the handle. The seed hopper holds two quarts; the fertilizer hopper 4 quarts.

Packed weight 96 pounds.....**Price $22.50**



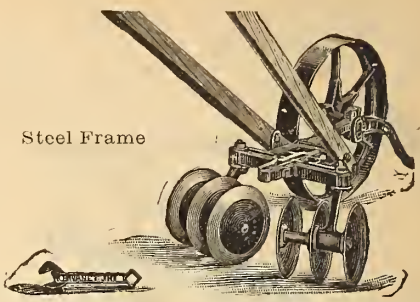
No. 21 COMBINED HILL AND DRILL SEEDER, ETC.



The Planet Jr. White Potato Digger

We Offer our White Potato Digger as superior to any we have made before. It works even when the crop has become too weedy for any other make to succeed. The digging tines tear the furrow apart and force the potatoes to the surface. The work compares well with any high-priced makes. Outlay for repairs, almost nothing. Will last a lifetime. Send for special circular. Packed weight 123 lbs.

Price, $22.50



No. 18½ Planet Jr. Single Wheel Disc Hoe

Price, as in cut, $5.75

Packed weight, 23 lbs.

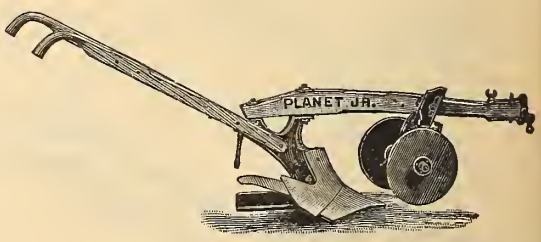
This simple tool is identical with No. 18 Single Wheel Hoe, except that two sets of three discs each and a leaf lifter take the place of the pair of hoes. The discs are adjustable for depth and throw, as described under No. 14 Double Wheel Disc Hoe.

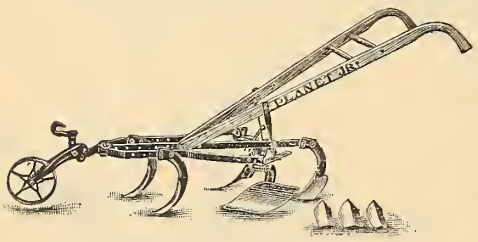
The Planet Jr. Sweet Potato Digger

Price, $25.00

Packed weight, 144 pounds

This tool has been considered the standard for years but has been greatly improved recently. It cuts the vines and throws out the hills of potatoes in fine condition for gathering. Send for special circular.

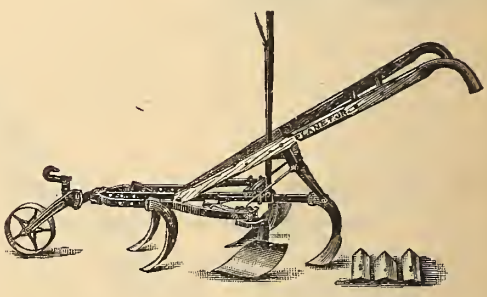




No. 4 Planet Jr. Horse Hoe

Packed weight, 63 lbs.....**Price, $8.75**
Without Wheel, packed wgt., 56 lbs...**Price, 7.50**

This tool is low in price, strong and simple; it has our latest handle braces, simple, strong, convenient. With these the frame and handles seem almost like one solid piece. Changes in width are very quickly and easily made, by the patent expanders on both sides and one side may be opened wide and the other closed.



No. 9 Planet Jr. Horse Hoe

Price, Complete with 7-tooth Attachment, $8.50

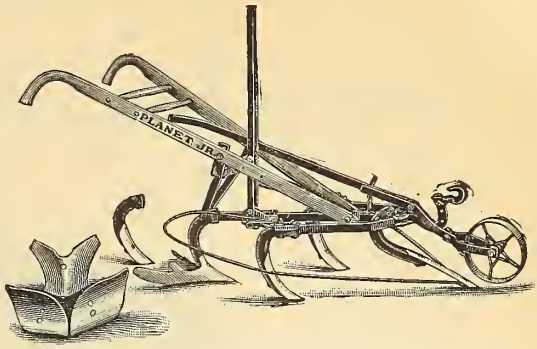
This admirable tool is identical with No. 7, except that it has a plain wheel instead of the lever wheel. It has the Star wheel and patent lever expander and new hollow steel wheel arms.

No. 10 Planet Jr. Horse Hoe, Cultivator Hiller and Vine Turner

Price, Complete, as shown in cut, $15.00

Packed weight, 78 pounds.

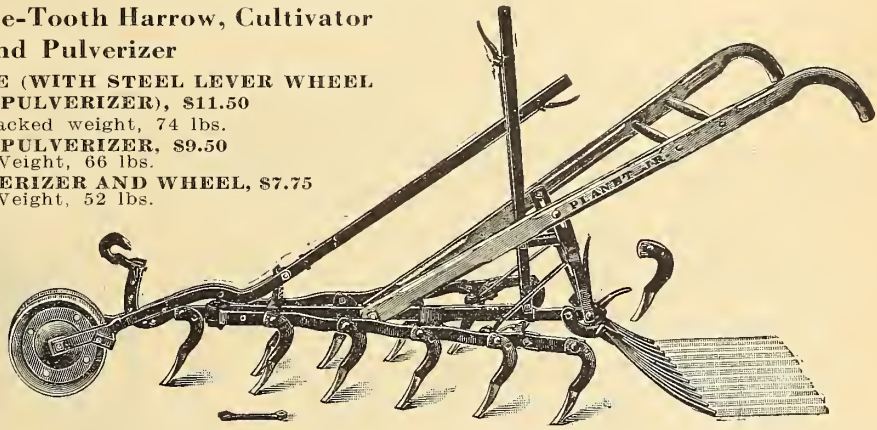
This, the latest, is by far the best tool of its kind we have ever made, combining in itself the most valuable features of all our regular one-horse cultivators and horse hoes. It is lighter, but stronger than our regular one-horse cultivators. But four teeth are used for ordinary work; three cultivator teeth, followed by a wide sweep with fingers in the rear, a combination that "works like a charm;" for level cultivation for hilling three extra teeth are provided, two plows and one 10-inch furrower, especially adapted to hilling crops not over ½-foot apart.



No. 10 PLANET JR. HORSE HOE, CULTIVATOR, HILLER, ETC.

Planet Jr. Twelve-Tooth Harrow, Cultivator and Pulverizer

NO. 90 COMPLETE (WITH STEEL LEVER WHEEL AND PULVERIZER), $11.50
Packed weight, 74 lbs.
NO. 90B LESS PULVERIZER, $9.50
Weight, 66 lbs.
NO. 90D LESS PULVERIZER AND WHEEL, $7.75
Weight, 52 lbs.



Gardeners cultivate better than formerly and find it pays. The chisel-shaped teeth on this tool go as deep or shallow as you like, close to row, without injuring plants, cut out all weeds, stir the soil and mellow and fine it as with a garden rake. Any width from 12 to 32 inches. A special favorite with strawberry and tobacco growers, market gardeners, truckers and small fruit growers. The wheel won't clog; the pulverizer leaves the ground in perfect condition for seeding or plant setting.

STRAWBERRY RUNNER CUTTER. A 10-inch flat steel disc mounted on an outrigger. Extra $2.25

HOES can be supplied which do admirable close, level cultivation; splendid for beets and other crops. Per pair, $1.75.

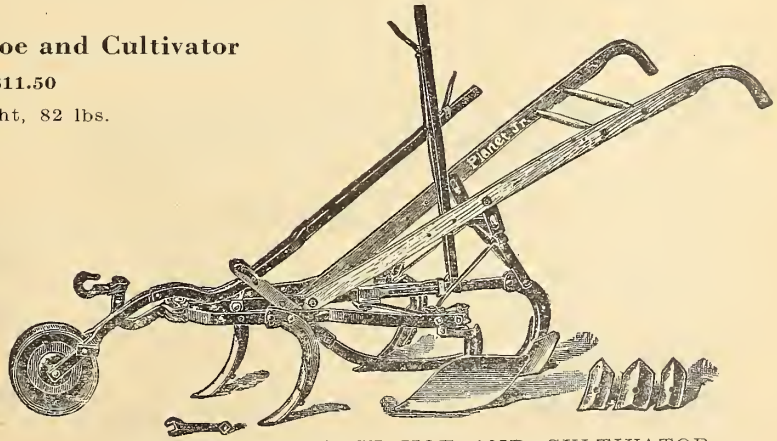
EIGHTEEN INCH SWEEP ATTACHMENT. Can be used in place of pulverizer for leveling and weed cutting. Price, with standard, $1.50.

No. 8 Planet Jr. Horse Hoe and Cultivator

Price, $11.50

Packed weight, 82 lbs.

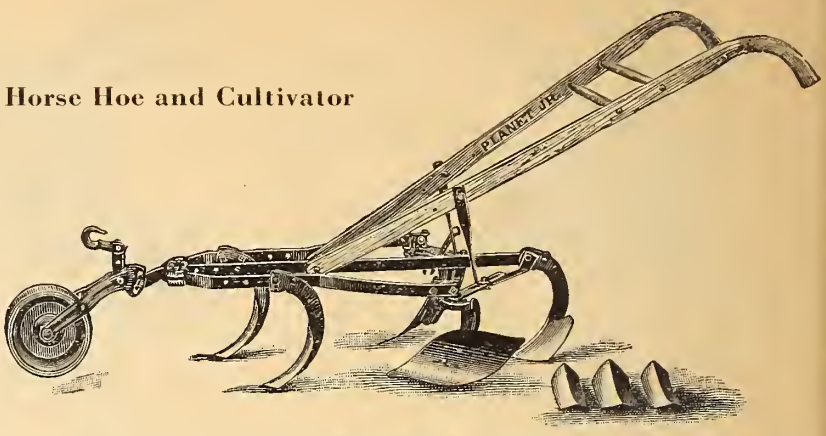
Equipment:
Four 3-inch plates.
One 4-inch plate.
Two side hoes.
One 7-inch shovel.



No. 8 PLANET JR. HORSE HOE AND CULTIVATOR

No. 80 Planet Jr. Horse Hoe and Cultivator

Price, $11.50
Packed Weight
82 lbs.



No. 80 PLANET JR. HORSE HOE AND CULTIVATOR

No. 1 Planet Jr. Orchard and Universal Cultivator

No. 1. (2-horse) cutting 5 feet 3 inches, weight 379 pounds, $50.00.

Extensions Extra, adding 15 inches, $6.00.

THIS TOOL is a great favorite and merits well the title of Universal. Almost every tooth we make fits it. Different width single trees supplied.

30-INCH WHEELS, set within the frame. Change from 48 to 42 inches.

THE STANDARDS are adjustable up and down, sidewise and for pitch.

THE SINGLE LEVER, spring roller, make the tool efficient and ample.

No. 1 PLANET JR.
UNIVERSAL CULTIVATOR

No. 41 Planet Jr. Orchard and Universal Cultivator

PRICES

With two-tooth extensions and Spring Trip Standards	$66.75
Without extensions and with Spring Trip Standards	54.25
With Regular Trip but without extensions	45.00

Packed weight, 843 pounds.

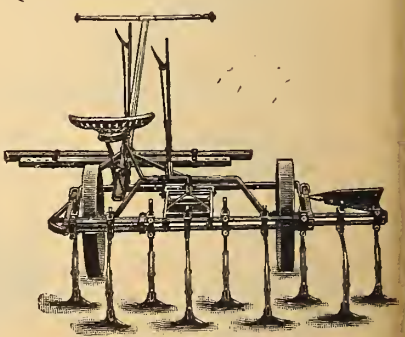
This is a modern orchard and universal cultivator, built to combine strength and lightness, adjustability, and efficiency to the fullest extent in one tool, representing in itself the advantages of our earlier patterns with important improvements.

THE STEEL WHEELS are low and entirely enclosed by the frame.

THE TONGUE IS STEEL.

THE FRAME is high carbon steel, compact in form, well-braced, and strong.

WITH THE EXTENSIONS, it cuts 6 feet 6 inches, carrying eleven teeth and the frame can be changed to cut any width from 6½ down to 4 feet.



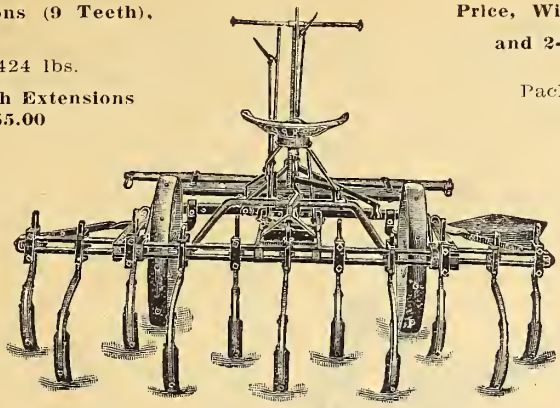
No. 41 PLANET JR.
UNIVERSAL CULTIVATOR

No. 42 Improved Planet Jr. Orchard and Universal Cultivator

Price, Without Extensions (9 Teeth), $50.00

Packed Weight, 424 lbs.

With Pair of One-Tooth Extensions (11 Teeth), $55.00

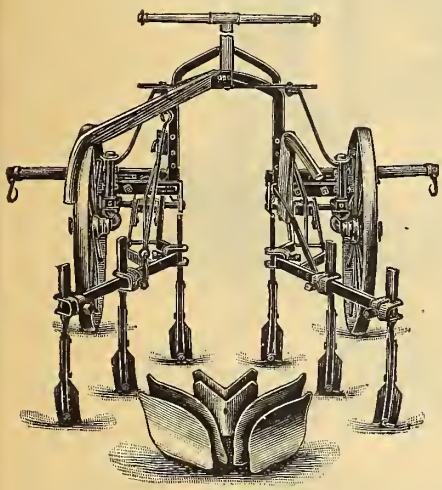


Price, With Extensions (13 Teeth) and 2-Horse Hitch, $62.50

Packed Weight, 530 lbs.

This is a heavy, strong tool for two, three or four horses; it cuts 7 feet 9 inches with extensions, or 5 feet 3 inches without extensions; the standards are high carbon steel, 1½ inches by ⅝ inch thick. It is a larger pattern of No. 41. In heavy ground it requires four to six horses. **Steel Tongue.** Steels are 2¼ inches by 10 inches.

The wheels can be set 47 or 55 inches apart. No. 42 takes the same extras as No. 41. **Irrigating Steels** only, per set of four, $3.30.



No. 85 Planet Jr. Walking Cultivator

Price complete $34.35; (less furrowing and hilling shovels), $30.00.

Packed weight, 342 lbs.

This is the most up-to-date two-horse walking cultivator. The wheels can be set either 36 or 42 inches apart, and it works all crops from 28 to 42 inches, finishing a row at each passage.

THE ARCH is 13 inches wide and 34 inches high, and the tool works corn five feet high.

WHEELS 28 inches with 2-inch face. The two rear teeth on each side, though adjustable for depth, are held exactly parallel to the row. (See cut.) The front pair, when in their middle position, are also held exactly parallel, but may be turned **to throw to or from the row as desired.**

THERE ARE NO LEVERS OR RATCHETS, their use being made unnecessary by a patent pawl for each gang. The pawls have two notches and the gang frames can be held up when the tool is being turned at headlands and dropped instantly into working position.

THE DEPTH can be regulated exactly and the gangs set there, or used floating, as desired. Where horses are of unequal strength, they can be evened up and the depth can be regulated by changing the draft irons, no evener required.

THE WHOLE CONSTRUCTION is carefully arranged to produce the best work in the simplest manner, and takes the least possible out of team and driver.

No. 72 Planet Jr. Two-Row Pivot Wheel Cultivator, Plow, Furrower and Ridger

PRICES

With Regular Trips and Plain Bearings.....**$67.00**

With Spring Trip Standards and Plain Bearings..... **77.50**

With Spring Trip Standards and Roller Bearings..... **80.50**

Packed weight, 585 lbs.

Equipment:

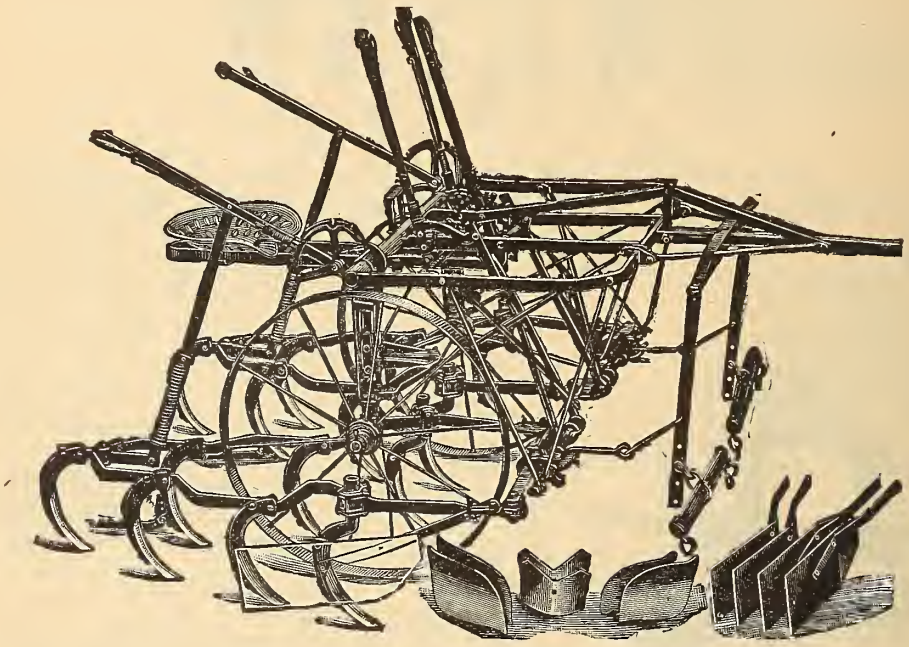
Fourteen cultivator teeth.

Four reversible plows.

Two 8-inch shovels.

Four plant guards.

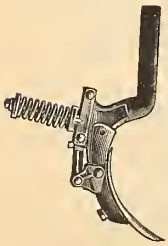
With depth regulators to make floating gangs, $1.50 extra



No. 72 Pivot Wheel Riding Cultivator, Plow, Furrower and Ridger

Price Complete, $77.50

This machine has jumped quickly into public favor because of its superiority to other Riding Cultivators. It has hollow steel shanks, long steel gangs, adjustable seat, lever depth regulation, spring tension, improved plant guards and double-tree pivot wheels with broad tires, steel hub and removal box with dust caps. The teeth adjusts for depth, width, angle. The wheels close to 32 inches and open to 40, and the tool cultivates all rows from 28 inches to 4 feet apart at one passage. It is comfortable to ride upon, light in weight, light in draft, simple in operation and durable in every part.

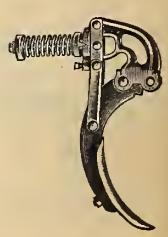


SPRING TRIPS. For 1917 we can furnish No. 72, No. 75 or No. 76 Riding Cultivators fitted with spring trip standards instead of solid standards, at an additional cost of $1.50 per pair. They are necessary when the ground is rough and ordinary break pins are unsatisfactory.

Spring Trip Teeth are also sold as an extra. Price $1.80 per tooth. In ordering, specify for what machine wanted.

Fits Nos. 75 and 76 Cultivator and front teeth of No. 72

Fits No. 72 Cultivator



No. 76 Planet Jr. Pivot Wheel Riding Cultivator, Plow, Furrower and Ridger

PRICES

With Roller Bearings and Spring Trip Standards $56.00

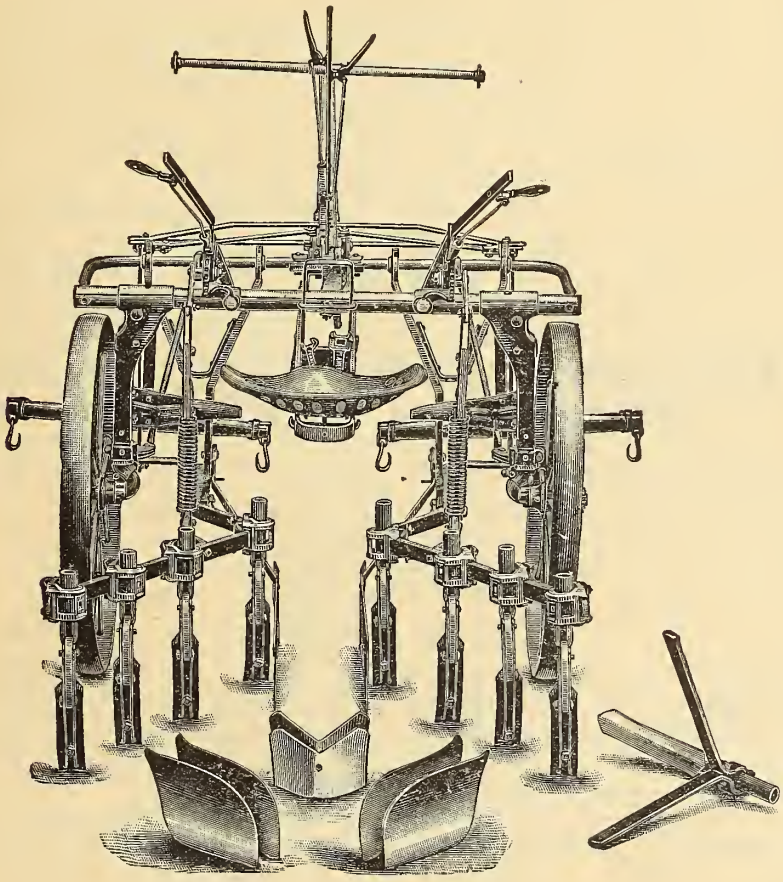
With Roller Bearings and Regular Standards 51.50

With Plain Bearings and Regular Standards 50.00

Weight, 529 lbs.

Equipment:

Nine cultivator teeth.
Two 6-inch plows.
Two 7-inch plows.
Two 7-inch shovels.
Two plant shields.



THE No. 76 IS A NEW implement which combines in itself nearly all the advantages of our earlier cultivators. The combination of the best parts of these tools in one seems to us to make a machine which is without a rival in popularity and usefulness. The arch is high, frame and tongue are of steel, and the change in width of the wheels is all that could be desired. It has improved powerful levers; the gang frame is stronger than ever, and the equipment of the standards is the same as that of No. 75, all being adjustable in depth and to throw to or from the row as desired. The **extra** wide arch is very desirable. The draft is arranged to insure satisfactory work in all conditions of soil. We look for a wide sale for this tool this season.

THE PIVOT WHEELS act instantly and make the guiding a pleasure.

THE SEAT is large and comfortable, adjustable up and down, back and forth.

THE NEW LEVERS and springs regulate depth and pressure on the teeth.

THE CENTRAL LEVER operates the hinged tongue, regulating the depth of the front teeth and leveling the machine; the same lever moves the teeth instantly, **either closer to or farther from the row,** as desired, while the team is in motion.

CONSTRUCTION. All parts steel except a small percentage of malleable iron.

IMPROVED LIFTING LEVERS have been placed on the gang frames.

THE ARCH is 33 inches high, clearing corn until five feet or more.

IT WORKS ROWS from 38 to 44 inches, cultivating, plowing, hilling, etc., as desired.

MARKS OUT ROWS from 24 to 44 inches apart, two at once, and with the plows will cover or make up drills beautifully.

SPRING TRIP STANDARDS in place of regular $5.00 per set of eight, when ordered with machine.

THE DISCS are much liked. They are used front next to row, and can be set to throw either to or from the rows. Price, 12-inch, per pair, $4.50; 14-inch, per pair, $5.00.

FLOWER POTS

We handle nothing but the genuine Ionia Round Bottom Red. These pots are used by the best florists throughout the country.

POTS

	Doz.	100
1-in. Souvenir	$0.25	$1.00
2-in Standard	.15	.90
2¼-in. Standard	.25	1.00
2½-in Rose	.25	1.00
3-in. Standard	.30	1.50
4-in. Standard	.45	2.15
5-in. Standard	.60	4.50
6-in. Standard	.85	5.50
7-in. Standard	1.50	9.00
8-in. Standard	2.25	15.00
9-in. Standard	2.75	18.00
10-in. Standard	3.25	24.00
12-in. Standard	5.50	.....

SAUCERS

4-in	.35	1.75
5-in	.50	2.15
6-in	.65	3.35
8-in	.80	5.00
10-in	1.65	8.00
12-in	2.75	....

BULB PANS

Principally used for planting bulbs for indoor forcing.

	Doz.	100
5-in	$0.75	$ 4.50
6-in	1.00	6.50
7-in	1.50	9.00
8-in	2.00	13.00
9-in	3.00	18.00
10-in	3.25	22.00

AZALIA POTS

Commonly called three-quarter size.

	Doz.	100
4-in	$0.60	$ 3.75
5-in	.75	4.50
6-in	1.00	6.50
7-in	1.50	9.00
8-in	2.00	13.00
9-in	3.00	18.00
10-in	3.25	24.00

EARTHEN HANGING BASKETS

Prices include hangers.

6-in	20c each, $1.75 per doz.
8-in	25c each, 2.25 per doz.
10-in	30c each, 2.50 per doz.

USEFUL BOOKS FOR THE PRIVATE OR COMMERCIAL GARDENER

We carry in stock the following books on gardening, etc., which we will furnish postpaid to any address on receipt of price:

Practical Suggestions on Vegetable Culture. Price 25c

Lupton's How to Grow Cabbage and Cauliflower for Profit ..... Price 30c

Celery for Profit. (Illustrated.) By Greiner. Price 50c

How to Grow Mushrooms ..... Price 35c

How to Grow Asparagus. By Hexamer. Price 50c

Successful Fruit Culture. By Samuel T. Maynarf. Price $1.00

Fruit Harvesting, Storing, Marketing. By F. A. Waugh ..... Price $1.00

Peach Culture. By Hon. J. Alexander Fulton. Price $1.00

Small Fruit Culturist. By Andrew S. Fuller. Price $1.00

Field Notes on Apple Culture. By Prof. L. H. Bailey ..... Price 75c

How Crops Grow. By Prof. Samuel W. Johnson ..... Price $1.50

Manual of Corn Judging. By A. D. Shamel. Price 50c

Making Poultry Pay. By Edwin C. Powell. Price $1.00

Poultry Feeding and Fattening. By C. G. Fiske. Price 50c

Quimby's New Bee-Keeping. By C. L. Root. Price $1.00

The Book on Alfalfa. By Hon. F. D. Coburn. Price $2.00

Farm Grasses of the United States of America. By William Jasper Spellman ..... Price $1.00

Alfalfa. By Hon. F. D. Coburn ..... Price 50c

Broom Corn and Brooms ..... Price 50c

Strawberry Culturist. By Andrew S. Fuller. Price 25c

The Potato. By Samuel Fraser ..... Price 75c

Tomato Culture. By Will T. Tracy ..... Price 50c

Bean Culture. By Glenn S. Sevey, Jr... Price 50c

Celery Culture. By W. R. Beattie ..... Price 50c

The New Onion Culture. By T. Grenier.. Price 50c

Onions, How to Raise Them Properly .... Price 20c

Cabbage, Cauliflower. By C. L. Allen... Price 50c

Sweet Potato Culture. By James Fitz... Price 50c

Parsons on the Rose. By Samuel B. Parsons. Price $1.50

Practical Farming. By Maynard ..... Price 50c

Vegetable Forcing. By Bailey ..... Price $2.00

Standard of Perfection. By American Poultry Assn. Price $2.00

Home Floriculture. By Chas. N. Page.. Price 25c

Basket Making. By T. Vernette Morse.. Price 25c

Sweet Pea Culture. By Walter Burpee.. Price 10c

Irrigation Farming. By Wilcox ..... Price $2.00

Chrysanthemum. By Herrington ..... Price 50c

Farmers Manual of Law. By Willes ..... Price 50c

New Rhubarb Culture. By Morse ..... Price 50c

Landscape Gardening. By Waugh ..... Price 75c

INSECTICIDES

SLUG SHOT, AN INFALLIBLE INSECTICIDE

What is Slug Shot? Slug Shot is an impalpable powder, a combination of insecticides poisonous to insects preying upon vegetation, and withal an excellent fertilizer, affecting all classes of insect life so that they either die or leave for parts unknown. It kills potato bugs in all stages of their growth, but not the eggs. It kills the black fleas on cabbages, turnips, beets, radishes, and egg-plants. Apply by dusting over the plants. It kills the cabbage worm and also the currant and gooseberry worm, the aphis or green fly on roses and other flowers. Has prevented the ravages of the curculio and cankerworm on fruit trees, has likewise been used around beans, melons, squashes, etc., to the detriment of the ravages of the cut worms. Keeps the striped bugs from all vine crops. **Hammond's Slug Shot,** price per 5 lbs., 40c; 10 lbs. 75c; 50 lbs. $3.00; 100 lbs. $6.00; bbl., 230 lbs., loose in bulk, $13.25.

For Slugs on Roses. Slug Shot is a sure killer. Apply with a bellows after a dew or rain on both under and upper side of leaf.

The Duster is the most common implement in use for applying Slug Shot on potatoes, cranberries, cabbages, and vine crops. These dusters are two sizes, holding half-gallon and gallon, and are bottomed with very finely perforated material. Price, each.....35c and 50c

The Complete Garden Bellows. It is intended to use among the roses, shrubs and small trees. It is strongly and neatly made, substantial in all its parts. Price.....$1.50

ARSENATE OF LEAD. An effective insecticide for leaf-cutting insects and particularly suitable for very tender foliage, being perfectly safe to apply in any strength without danger of scorching. Will wash off by ordinary rains. It is now the most popular and successful insecticide used in the popular fruit districts of Colorado. Use 6 lbs. to 100 gallons of water. Any of our spray pumps with fine nozzles will apply it.
5-lb. cans, $1.00; 10-lb. cans, $2.00; 25-lb. cans, $4.00; 100-lb. kegs, $14.00

TOBACCO DUST. A good remedy for aphis fleas, beetles and striped bugs on vines. Also valuable on rose bushes to destroy red spiders.....1 lb. 10c; 5 lbs. 40c

BORDEAUX MIXTURE. The best known fungicide for the cure and prevention of scab, mildew and black rot leaf cure on fruits. One gallon will make fifty gallons of liquid. 1 qt. 40c; 1 gal. $1.00; 5 gals. $4.50

HELLEBORE POWDERED WHITE. Much safer to use than Paris Green when fruit is nearly ripe.
1 lb. 30c; 5 lbs. $1.40

HAMMOND'S GRAPE DUST. A readily diffusible, light weight, powder fungicide. Very effective in preventing mildew and other plant diseases. Prevents mildew on cucumbers, gooseberries, grapes, muskmelons, rose bushes, etc.....1 lb. 10c; 5 lbs. 45c; 10 lbs. 75c; 25 lbs. $1.75

BLACK LEAF 40

Protect your roses and plants with Black Leaf 40. Recommended by Experiment Stations and experts of high professional standing. It's strength is guaranteed by it's manufacturers. Price oz. bottle, 25c

FERTILIZERS

COMMERCIAL FERTILIZER

It is a well established fact that all growing plants absorb from the earth Phosphoric Acid, Nitrogen and Potash, hence the natural deposits of these elements are gradually absorbed year by year and robbing the earth of this valuable plant food renders it unable to nourish the plant. By the use of Commercial Fertilizer you replace these essential properties, build up your land and increase your yield per acre. It also forces much earlier maturity which is an important factor to farmers in Oklahoma when we have such late springs and early frosts. Early maturity is well worth the cost.

EVERGREEN FERTILIZER

Is especially prepared for growing flowers, ferns, palms, shrubs, grass, etc. It is a highly concentrated, homogeneous mixture. Contains all the food elements necessary to plant and grass growth and is compounded in proper proportion to get the best results and is absolutely free from germs and disease-breeding matter.....½-lb. cans 25c; 12-lb. cans $2.00

SHEEP MANURE

One ton of Swift's Sheep Manure contains as much plant food as four tons of green manure. Sheep Manure is very valuable to use as a fertilizer for vegetable and flowering plants. Price per 100-lb. bag $1.75

SWIFT'S STEAMED BONE DUST

Made of pure solid bones slightly steamed and then ground fine, thus it is distributed evenly and acts quickly. This is the best fertilizer to use for rose bushes and foliage plants of all kinds. Per 100-lb. bag $2.25

SWIFT'S SUPERPHOSPHATE

The best fertilizer for tomatoes, sweet corn, melons, etc. Used in all the large market garden districts where it is found the most profitable fertilizer. Apply about 400 to 500 lbs. per acre along the line of the row. A Cultivator is then run along the line of the row to thoroughly mix the fertilizer with the soil.
Per 100-lb. bag $2.00

BONARA PLANT FOOD

Nature's best plant food. Is good for all flowering plants, vegetables, strawberries, lawns, trees, shrubbery, etc., producing a lasting and healthy growth. Highly recommended for growing Hyacinths.
¼-lb. can 20c; 1-lb. can 50c

Swift's Special Vegetable Fertilizer

A complete fertilizer adapted to all soils and all vegetable crops. Vegetable growers will find this fertilizer a very profitable one to use. Nothing better can be found to stimulate a quicker growth of all vine crops such as cucumbers and melons.....Per 100-lb. bag $2.25

USEFUL TABLES

Quantity of Seed Required for a Given Number of Hills

Pole Beans	1 qt. to 50
Corn	1 qt. to 200
Cucumbers	1 oz. to 50
Watermelons	1 oz. to 30
Muskmelons	1 oz. to 60
Pumpkins	1 oz. to 20
Squash	1 oz. to 30
Okra	1 oz. to 100

Quantity of Seed Required for a Given Length of Drill

		Feet of Drill
Asparagus	1 oz.	50
Beet	1 oz.	60
Beans—Dwarf	1 lb.	70
Carrot	1 oz.	150
Endive	1 oz.	100
Okra	1 oz.	40
Onions	1 oz.	50
Onion Sets	1 lb.	20
Parsley	1 oz.	125
Parsnips	1 oz.	150
Peas	1 lb.	60
Radishes	1 oz.	100
Salsify	1 oz.	60
Spinach	1 oz.	100
Turnip	1 oz.	150

Table Showing the Number of Plants or Trees to the Acre of Given Distance

Dist. apart	No. Trees	Dist. apart	No. Trees
1 foot	43,500	9 feet	537
1½ feet	19,300	12 feet	302
2 feet	10,890	15 feet	193
2½ feet	9,960	18 feet	134
3 feet	4,840	21 feet	98
4 feet	2,632	24 feet	75
5 feet	1,740	27 feet	59
6 feet	1,210	38 feet	40

Quantity of Seed Required for a Given Number of Plants

Asparagus	1 oz.	300
Cabbage	1 oz.	2,000
Cauliflower	1 oz.	2,000
Celery	1 oz.	2,500
Leek	1 oz.	1,500
Endive	1 oz.	3,000
Egg Plant	1 oz.	1,000
Lettuce	1 oz.	3,000
Pepper	1 oz.	1,000
Tomato	1 oz.	1,300
Thyme	1 oz.	4,000
Sage	1 oz.	1,000
Savory	1 oz.	2,000
Marjoram	1 oz.	1,500
Rhubarb	1 oz.	1,500

Weights Per Bushel and Amounts of Seed Sown to the Acre

	Lbs. per bu.	Am. Lbs. to Acre
Alfalfa Clover	60	20 to 30
White Clover	60	6 to 8
Red Clover	60	12 to 15
Alsike Clover	60	6 to 8
Timothy	45	10 to 15
Blue Grass	14	30 to 40
Mixed Grasses	14	30 to 40
English Rye Grass	20	15 to 25
Oats	32	32 to 64
Barley	48	60 to 90
Corn	56	8 to 12
Orchard Grass	14	20 to 30
Hungarian	50	25 to 35
Common Millet	50	25 to 40
German Millet	50	25 to 40
Hemp	44	35 to 55
Flax	56	30 to 40
Buckwheat	50	25 to 50
Rye	56	60 to 90
Wheat	60	60 to 90
Sugar Cane for Fodder	50	50 to 100
Peas, Field	60	90 to 120
Top. Onion Sets	28	250 to 300

In Drills

	No. Lbs. to Acre
Dwarf Beans	75 to 90
Early Peas	65 to 85
Marrowfat Peas	60 to 80
Beets	6 to 8
Mangel Wurzel	4 to 6
Carrots	2 to 3
Onions	4 to 5
Onions for Sets	20 to 30
Onion Sets	300 to 350
Parsnips	4 to 5
Radishes	5 to 8
Rutabagas	1 to 1½
Spinach	8 to 10
Salsify	10 to 12

Number of Tree Seeds to One Pound

	About
American White Ash	10,000
Apple	12,000
Arbor Vitae American	300,000
Austrian Pine	25,000
Ailanthus	20,000
Balsam Fir	80,000
Black Cherry	4,000
Black or Yellow Locust	30,000
Box Elder	15,000
Catalpa Speciosa	20,000
Catalpa Teas Japan	70,000
Cherry Pine	1,000
European Elm	50,000
European Linden	5,000
Gum, Eucalyptus	20,000
Hemlock Spruce	100,000
Hickory Nuts	50
Honey Locust	2,500
Mammoth Maple	7,000
Mulberry, all kinds	200,000
Norway Spruce	70,000
Osage Orange	10,000
Paw Paw	400
Peach	200
Pear and Quince	15,000
Red Cedar	8,000
Soft Maple	2,000
Sugar Maple	7,000
Sweet Chestnut	100
Sycamore Maple	6,000
Walnut	25

Table to Assist Farmers and Gardeners in Making Accurate Estimate of the Amount of Land in Different Fields Under Cultivation.

10 rods x 16 rods equal	1 acre
8 rods x 20 rods equal	1 acre
5 rods x 32 rods equal	1 acre
4 rods x 40 rods equal	1 acre
5 yards x 968 yards equal	1 acre
10 yards x 484 yards equal	1 acre
40 yards x 121 yards equal	1 acre
209 feet x 209 feet equal	1 acre
200 feet x 108.9 feet equal	½ acre
100 feet x 145.2 feet equal	⅓ acre
100 feet x 108.9 feet equal	¼ acre

Weight of Manure and Fertilizers to Apply to Different Crops per Acre

Potatoes	Stable 15 to 30 tons
Mangel Wurzel	Stable 20 to 30 tons
Carrots	Stable 12 to 20 tons
Beans	Stable 12 to 20 tons
Onions	Stable 25 to 40 tons
Nitrate of Soda and Potash	250 lbs.
Salt	250 to 500 lbs.
Soot	1,000 to 1,500 lbs.
Concentrated Fertilizers for garden or field cultures	500 to 800 lbs.

Maturity Table

Beans, table use	40 to 50 days
Beets, table use	50 to 70 days
Cabbages, early for cutting	70 to 80 days
Cabbages, late for cutting	100 to 120 days
Carrots, table use	60 to 70 days
Celery, table use	120 to 140 days
Sweet Corn, table use	65 to 80 days
Cucumbers, table use	45 to 60 days
Lettuce, table use	40 to 50 days
Melons, table use	65 to 120 days
Onions, for Storage	80 to 120 days
Peas, table use	50 to 70 days
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PARCEL POST REGULATIONS.

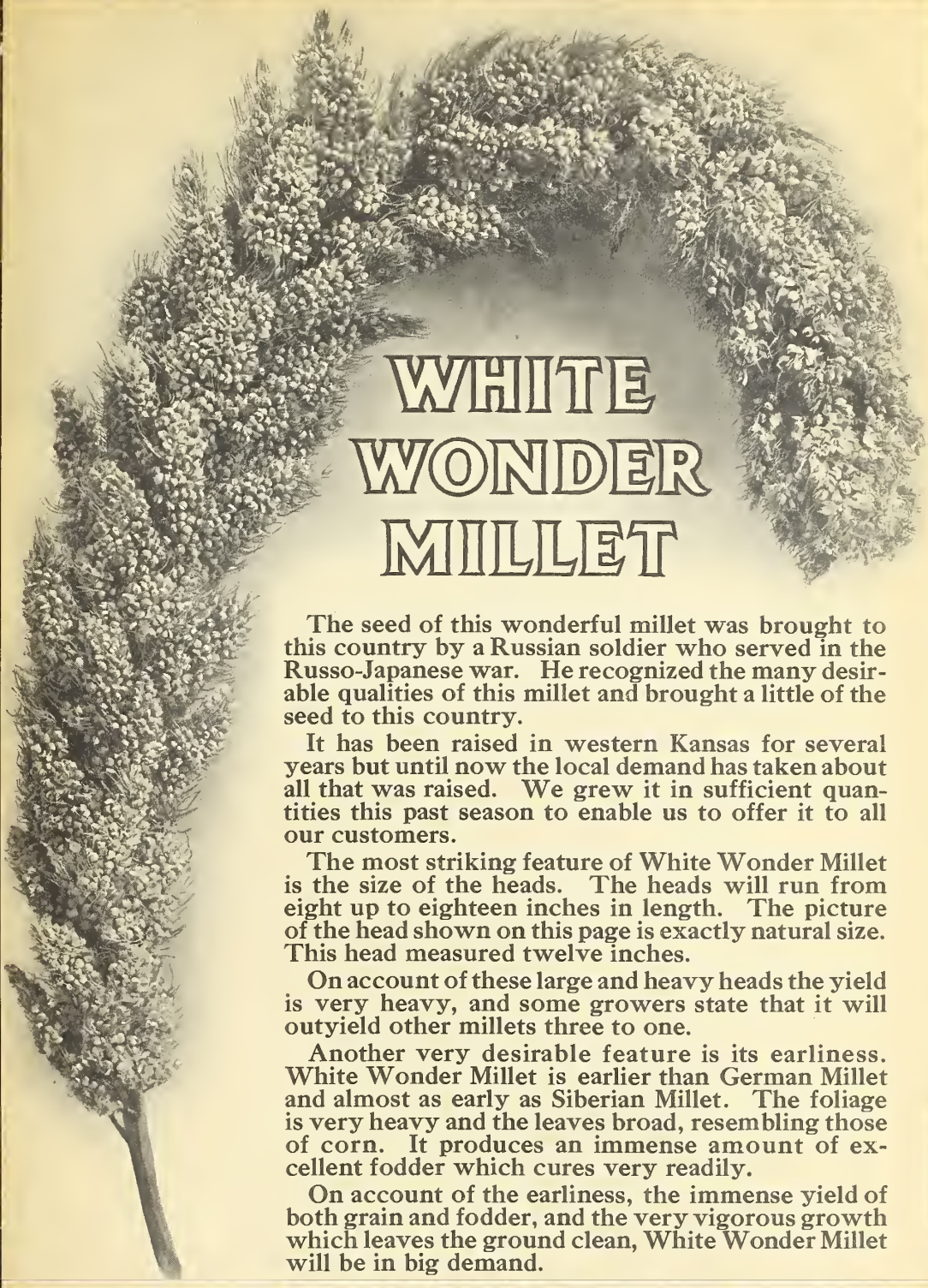
When goods are wanted by parcel post, postage must be added, as we do not mail goods free except Flower and Vegetable Seeds in packets, ounces, quarter of pound and 1 pound. Beans, Corn and Peas also are not mailed free and postage must be added.

Weight in Pounds	Local	ZONES First	Second	Third	Fourth	Fifth	Sixth
1	$0.05	$0.05	$0.05	$0.06	$0.07	$0.08	$0.09
2	.06	.06	.06	.08	.11	.14	.17
3	.06	.07	.07	.10	.15	.20	.25
4	.07	.08	.08	.12	.19	.26	.33
5	.07	.09	.09	.14	.23	.32	.41
6	.08	.10	.10	.16	.27	.38	.49
7	.08	.11	.11	.18	.31	.44	.57
8	.09	.12	.12	.20	.35	.50	.65
9	.09	.13	.13	.22	.39	.56	.73
10	.10	.14	.14	.24	.43	.62	.81
11	.10	.15	.15	.26	.47	.68	.89
12	.11	.16	.16	.28	.51	.74	.97
13	.11	.17	.17	.30	.55	.80	1.05
14	.12	.18	.18	.32	.59	.86	1.13
15	.12	.19	.19	.34	.63	.92	1.21
16	.13	.20	.20	.36	.67	.98	1.29
17	.13	.21	.21	.38	.71	1.04	1.37
18	.14	.22	.22	.40	.75	1.10	1.45
19	.14	.23	.23	.42	.79	1.16	1.53
20	.15	.24	.24	.44	.83	1.22	1.61
21	.15	.25	.25				
22	.16	.26	.26				
23	.16	.27	.27				
24	.17	.28	.28				
25	.17	.29	.29				
26	.18	.30	.30				
27	.18	.31	.31				
28	.19	.32	.32				
29	.19	.33	.33				
30	.20	.34	.34				

Add one cent for every two additional pounds, up to 50 pounds, for Local, and one cent for every additional pound for First and Second Zones.

Parcels weighing 4 ounces or less, except books, seeds and plants, require 1 cent for each ounce or fraction thereof, any distance. Parcels containing seeds, plants or books weighing 8 ounces or less require 1 cent for each two ounces or fraction thereof, any distance. All parcels weighing more than the above require postage according to distance at the pound rate shown in the following table, a fraction of a pound being considered a full pound.

Local, First and Second Zones will carry 50 lb. packages; all other zones 20 lbs. is the limit.



WHITE WONDER MILLET

The seed of this wonderful millet was brought to this country by a Russian soldier who served in the Russo-Japanese war. He recognized the many desirable qualities of this millet and brought a little of the seed to this country.

It has been raised in western Kansas for several years but until now the local demand has taken about all that was raised. We grew it in sufficient quantities this past season to enable us to offer it to all our customers.

The most striking feature of White Wonder Millet is the size of the heads. The heads will run from eight up to eighteen inches in length. The picture of the head shown on this page is exactly natural size. This head measured twelve inches.

On account of these large and heavy heads the yield is very heavy, and some growers state that it will outyield other millets three to one.

Another very desirable feature is its earliness. White Wonder Millet is earlier than German Millet and almost as early as Siberian Millet. The foliage is very heavy and the leaves broad, resembling those of corn. It produces an immense amount of excellent fodder which cures very readily.

On account of the earliness, the immense yield of both grain and fodder, and the very vigorous growth which leaves the ground clean, White Wonder Millet will be in big demand.

PRICE, POSTPAID, 15¢ PER POUND; NOT POSTPAID, 10 LBS. FOR 75 CENTS. FOR PRICES OF LARGER QUANTITIES PLEASE SEE PINK LIST.

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LADY LENOX COSMOS

THE BARTELDES SEED CO.

OKLAHOMA SEED HOUSE
OKLAHOMA CITY, OKLA.

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IN
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AND
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